

## Rabbit Anti-FAR2 antibody

SL10256R

**Product Name** FAR2

**Chinese Name** 脂肪酰辅酶 A 还原酶 2 抗体

**Alias** Fatty acyl CoA reductase 2; FLJ10462; Male sterility domain containing protein 1; MLSTD1; FACR2\_HUMAN; FAR2.

**Research Area** Tumour Cardiovascular Cell biology Signal transduction transcriptional regulatory factor

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Horse, )

**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 57kDa

**Cellular localization** The nucleus cytoplasmic

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human FAR2: 51-150/515

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

**Product** This gene belongs to the short chain dehydrogenase/reductase superfamily. It encodes

## Detail

a reductase enzyme involved in the first step of wax biosynthesis wherein fatty acids are converted to fatty alcohols. The encoded peroxisomal protein utilizes saturated fatty acids of 16 or 18 carbons as preferred substrates. Alternatively spliced transcript variants have been observed for this gene. Related pseudogenes have been identified on chromosomes 2, 14 and 22. [provided by RefSeq, Nov 2012]

### Function:

FAR2 catalyzes the reduction of fatty acyl-CoA to fatty alcohols. The preferred substrates are C16, C18, C18:1 and C18:2 but low activity can be observed with C10-C14 substrates.

### Subcellular Location:

Peroxisome membrane; Multi-pass membrane protein (Potential). Endoplasmic reticulum membrane; Multi-pass membrane protein (Potential). Note=Peroxisome in cells expressing low levels of the protein. Peroxisome and endoplasmic reticulum in cells expressing high levels of the protein.

### Similarity:

Belongs to the fatty acyl-CoA reductase family.

### SWISS:

Q96K12

### Gene ID:

55711

### Database links:

[Entrez Gene: 55711](#) Human

[Entrez Gene: 534380](#) Cow

[Entrez Gene: 330450](#) Mouse

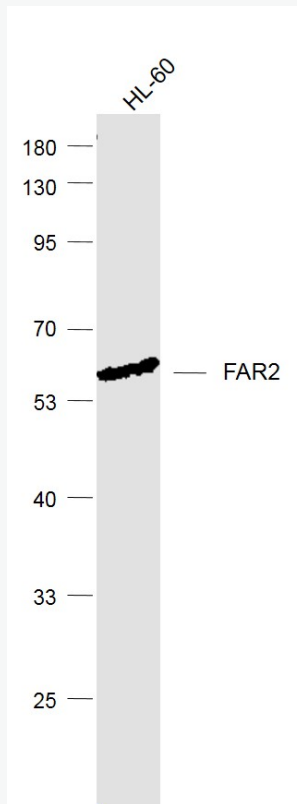
[Entrez Gene: 500368](#) Rat

[SwissProt: Q0P5J1](#) Cow

[SwissProt: Q96K12](#) Human

[SwissProt: Q7TNT2](#) Mouse

**Product  
Picture**



Sample:

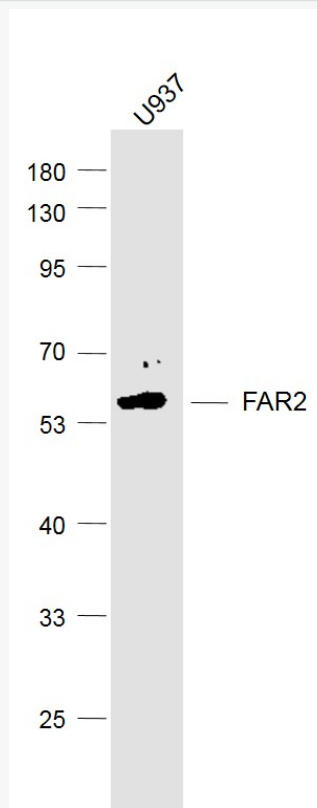
HL-60 (Human) Cell Lysate at 30 ug

Primary: Anti-FAR2 (SL10256R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 57 kD



Sample:

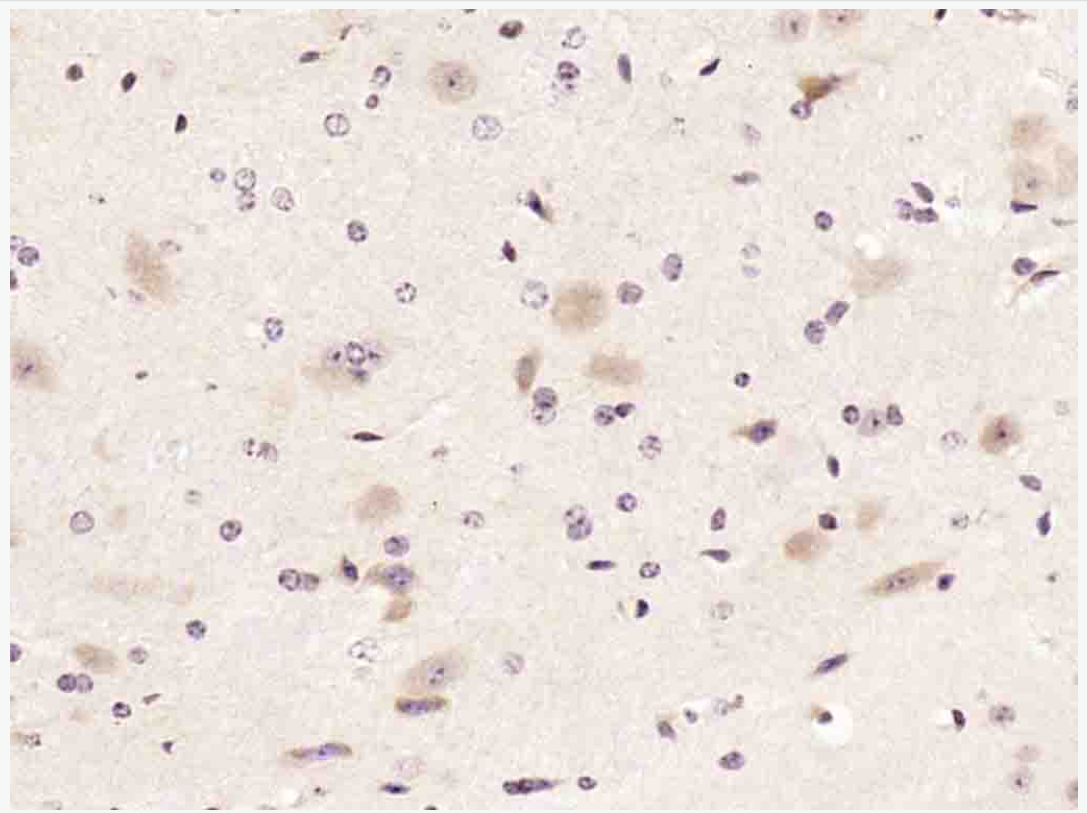
U937 (Human) Cell Lysate at 30 ug

Primary: Anti-FAR2 (SL10256R) at 1/1000 dilution

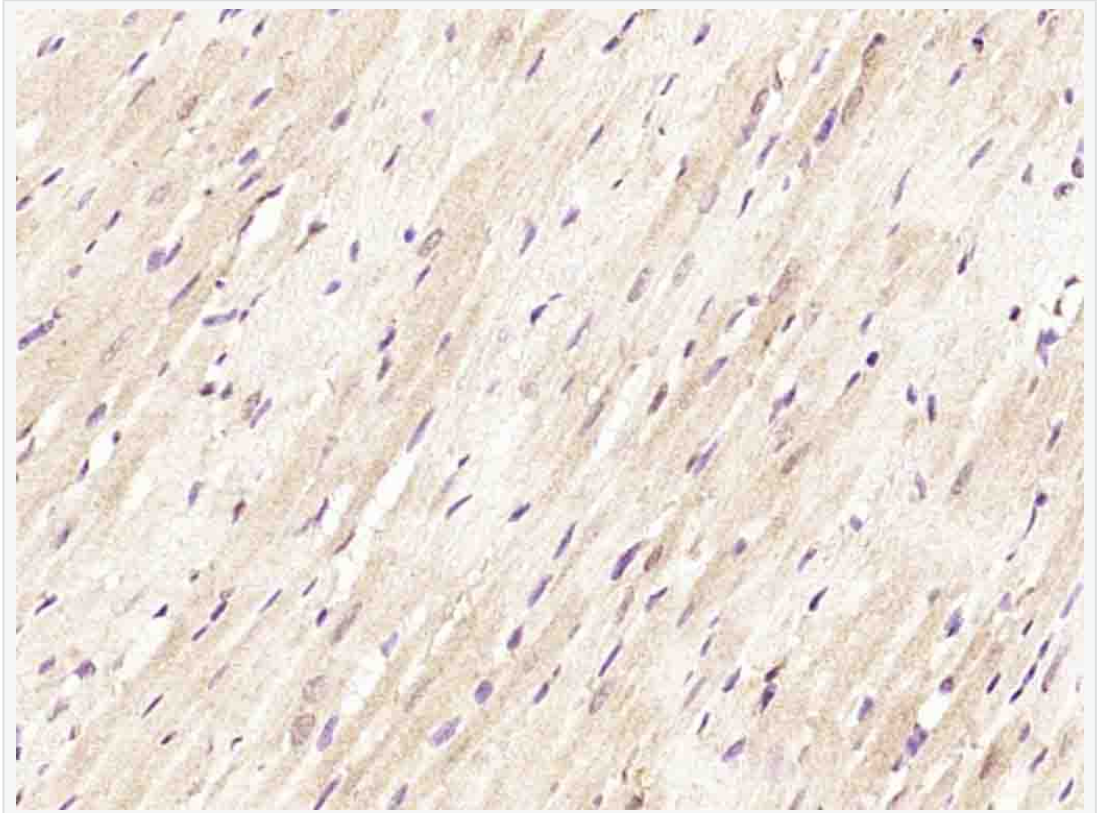
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

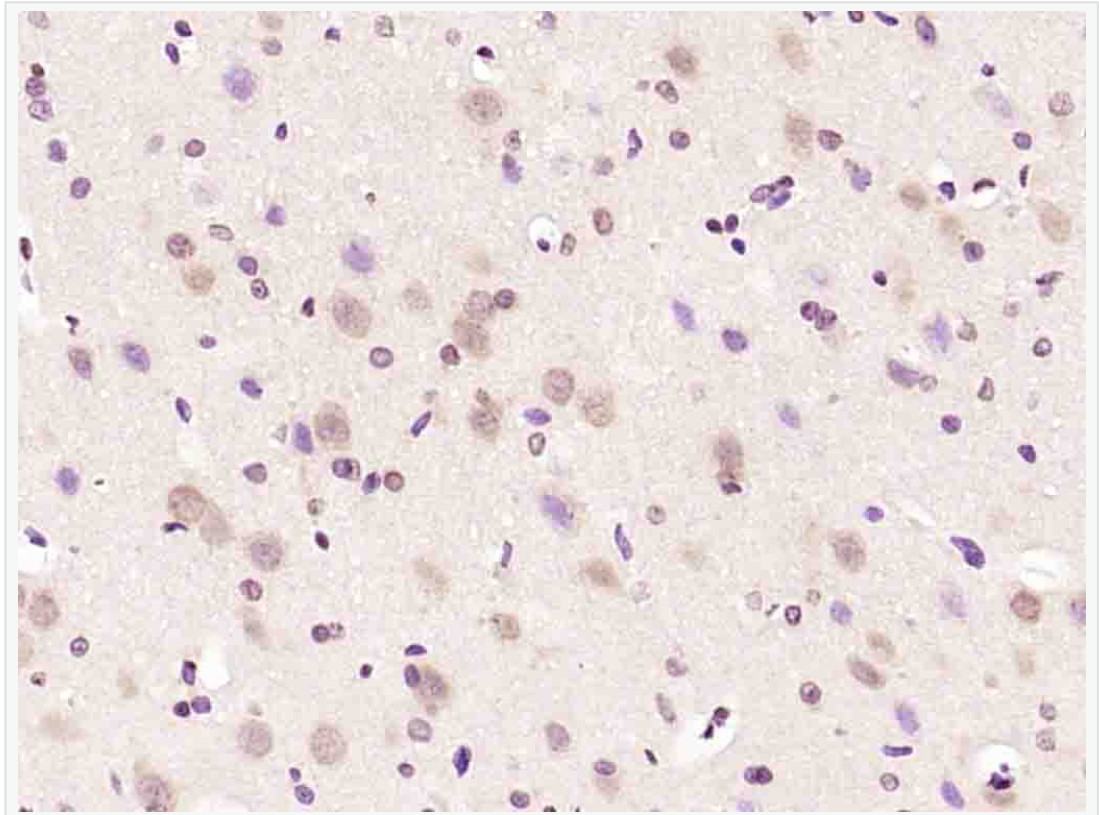
Observed band size: 57 kD



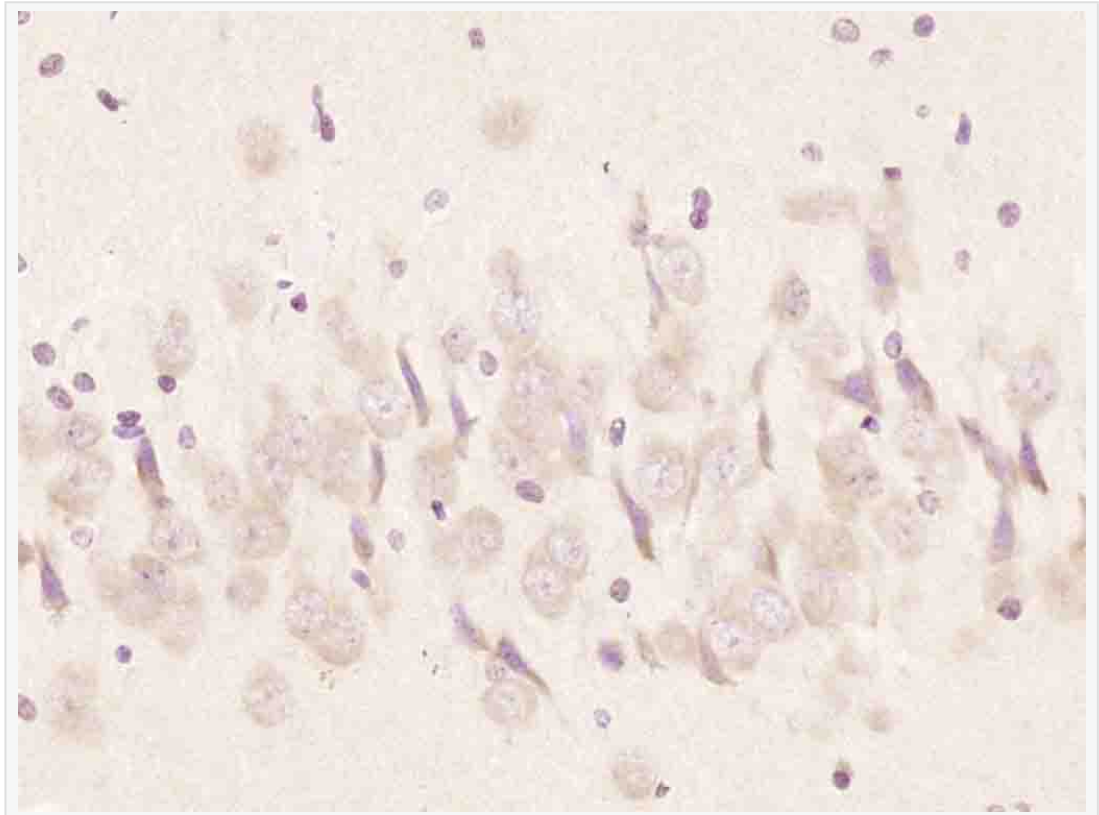
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDNF) Polyclonal Antibody, Unconjugated (SL10256R FAR2) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



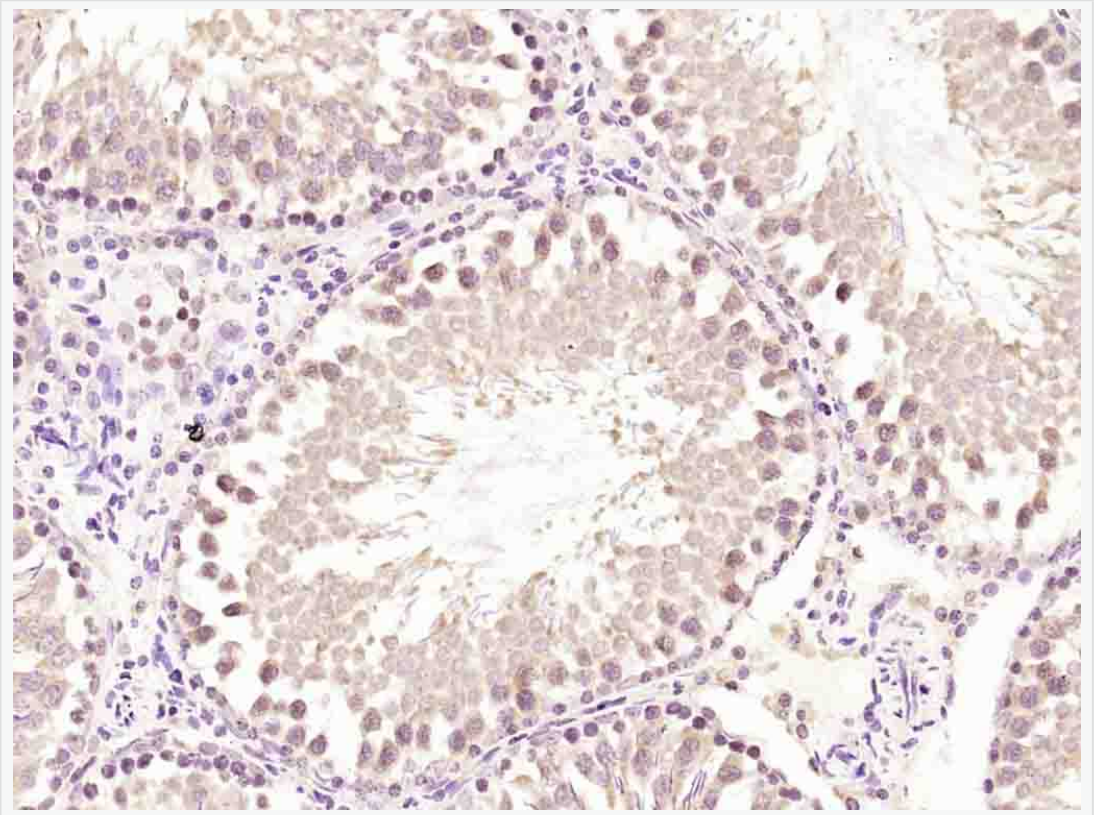
Paraformaldehyde-fixed, paraffin embedded (rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAR2) Polyclonal Antibody, Unconjugated (SL10256R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAR2) Polyclonal Antibody, Unconjugated (SL10256R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAR2) Polyclonal Antibody, Unconjugated (SL10256R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FAR2) Polyclonal Antibody, Unconjugated (SL10256R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.