

Rabbit Anti-UNCX antibody

SL12043R

Product Name UNCX

Chinese Name 同源蛋白 UNCX 抗体

Alias Homeobox protein unc-4 homolog; Homeobox protein Uncx4.1; tcag7.1272; UNC homeobox; Unc4.1 homeobox; UNC4_HUMAN; Uncx; UNCX4.1.

Research Area Cell biology Neurobiology Signal transduction transcriptional regulatory factor Epigenetics

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human,Mouse,Rat (predicted:Chicken,Dog,Pig)

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 54kDa

Cellular localization The nucleus

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human UNCX: 145-150/531

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 encodes a homeobox transcription factor that is involved in somitogenesis

Detail

and neurogenesis and is required for the maintenance and differentiation of specific elements of the axial skeleton. This gene also plays a role in controlling the development of connections of hypothalamic neurons to pituitary elements, allowing central neurons to reach the peripheral blood circulation and deliver hormones that control peripheral functions. The expression of this gene is associated with an increased frequency of acute myeloid leukemia. [provided by RefSeq, Jul 2017]

Function:

Transcription factor involved in somitogenesis and neurogenesis. Required for the maintenance and differentiation of particular elements of the axial skeleton. May act upstream of PAX9. Plays a role in controlling the development of connections of hypothalamic neurons to pituitary elements, allowing central neurons to reach the peripheral blood circulation and to deliver hormones for control of peripheral functions.

Subcellular Location:

Nucleus.

Similarity:

Belongs to the paired homeobox family. Unc-4 subfamily.
Contains 1 homeobox DNA-binding domain.

SWISS:

A6NJT0

Gene ID:

340260

Database links:

[Entrez Gene: 340260](#) Human

[Entrez Gene: 22255](#) Mouse

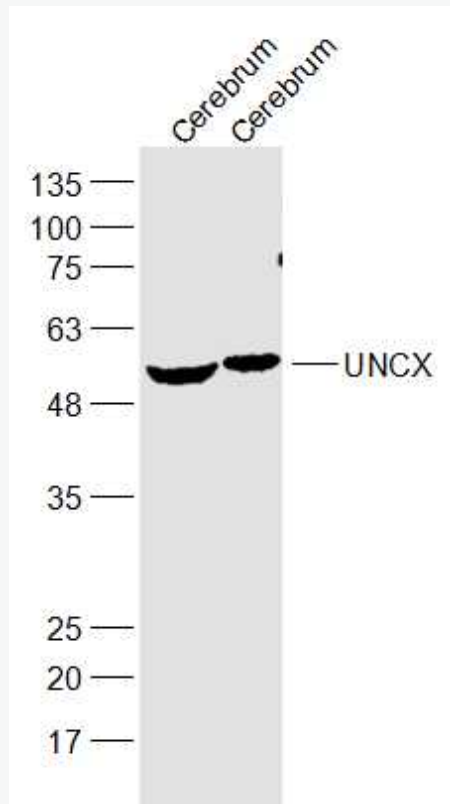
[Entrez Gene: 29375](#) Rat

[SwissProt: A6NJT0](#) Human

[SwissProt: O08934](#) Mouse

[SwissProt: P97830](#) Rat

**Product
Picture**



Sample:

Cerebrum (Mouse) Lysate at 40 ug

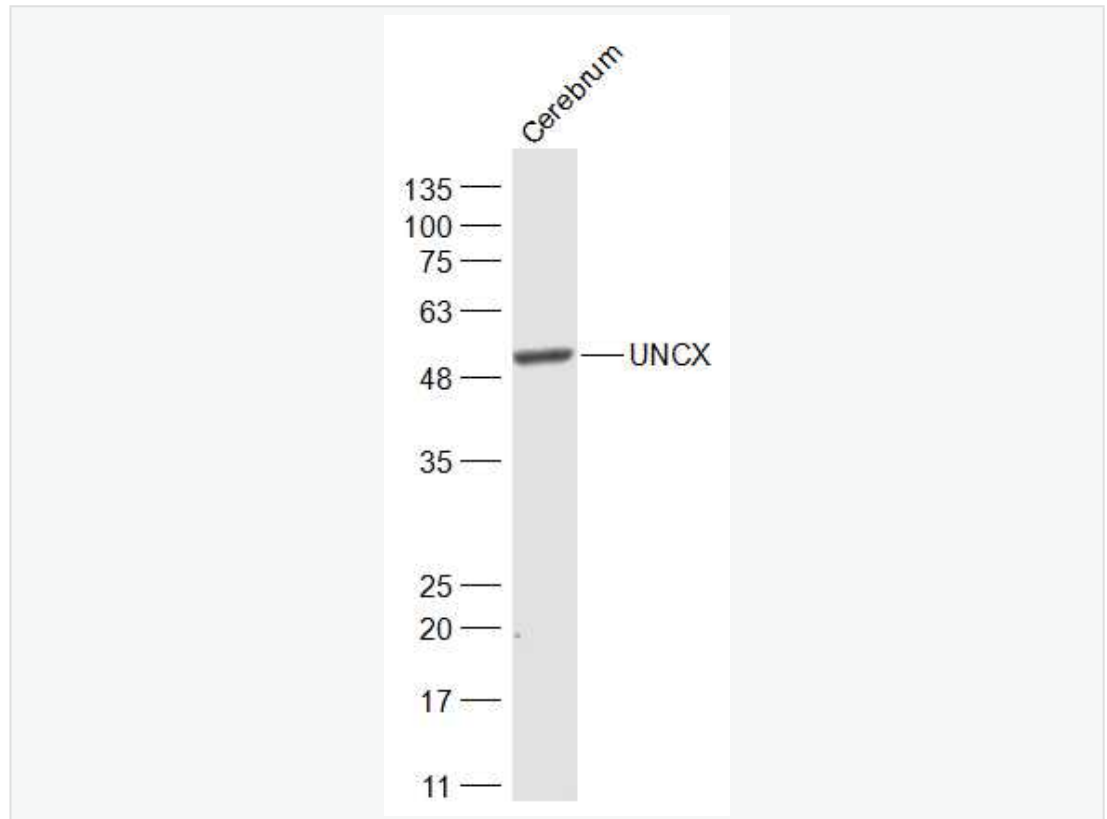
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

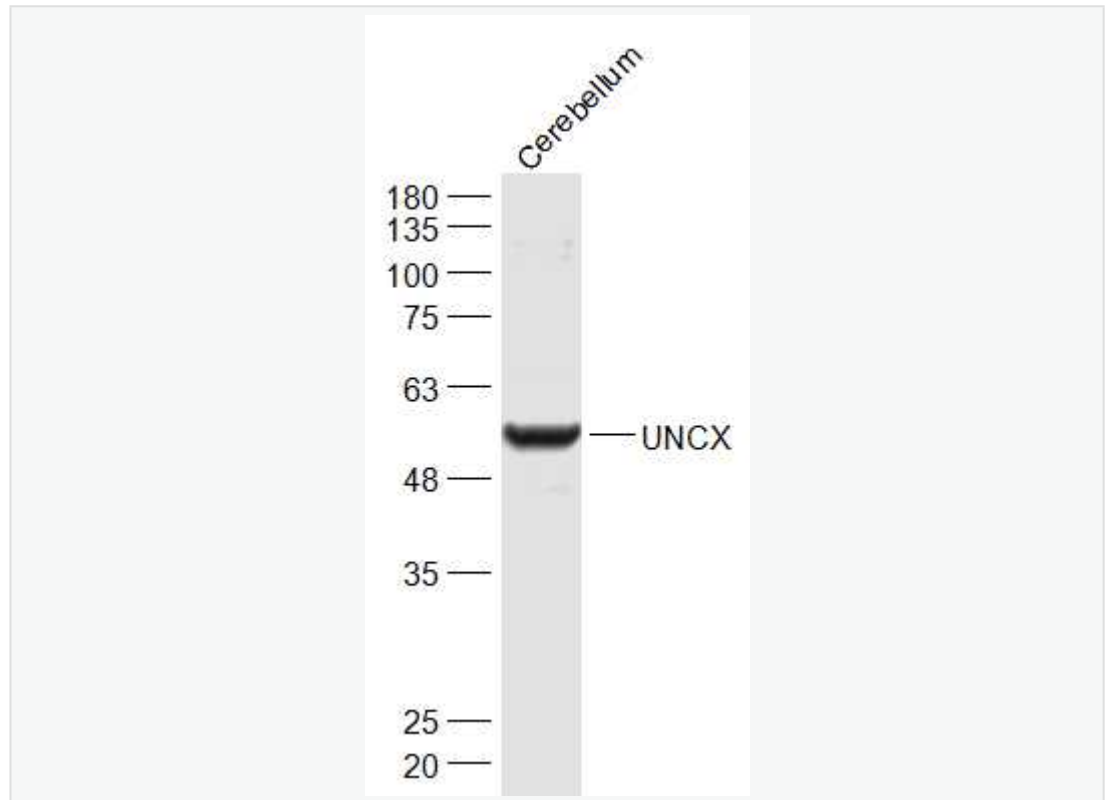
Cerebrum (Rat) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/5000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

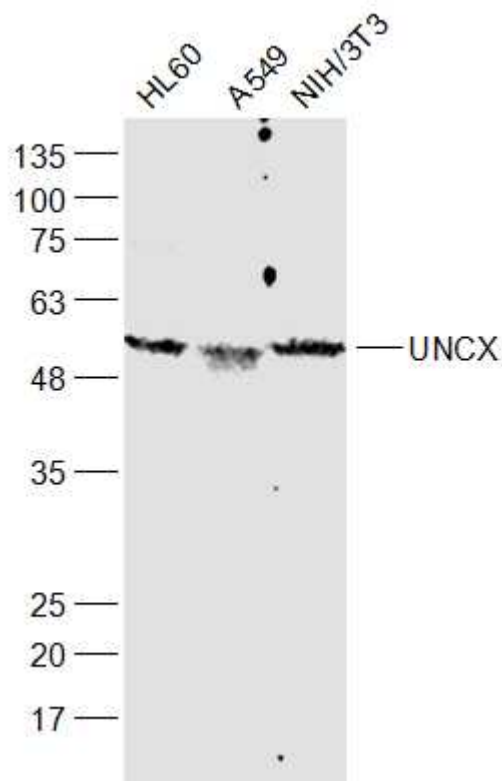
Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

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

Predicted band size: 54 kD

Observed band size: 55 kD



Sample:

HL60(Human) Cell Lysate at 30 ug

A549(Human) Cell Lysate at 30 ug

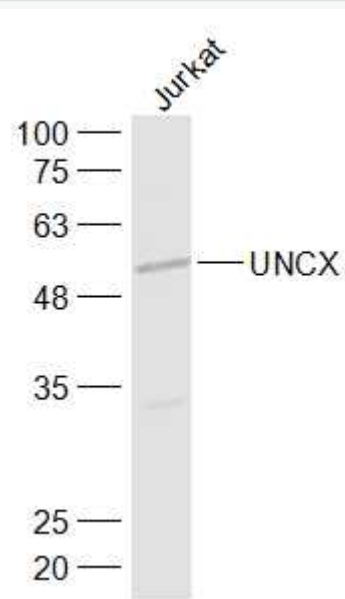
NIH/3T3(Mouse) Cell Lysate at 30 ug

Primary: Anti-UNCX (SL12043R) at 1/1000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

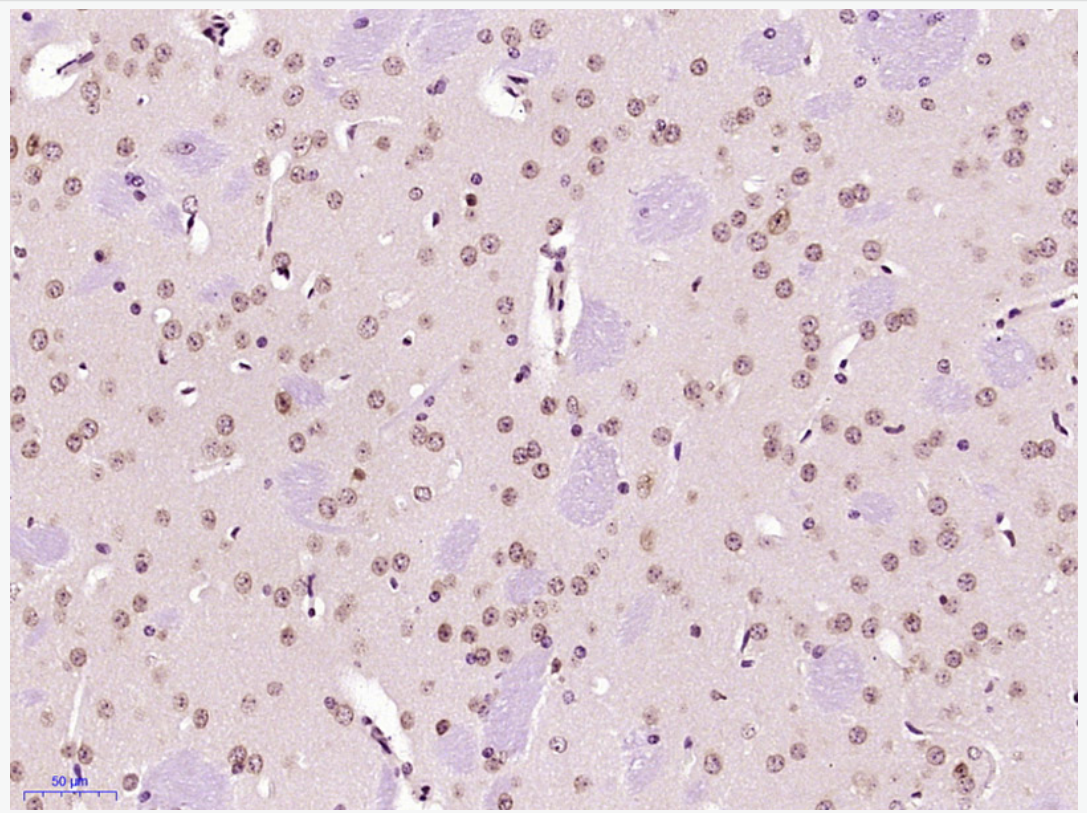
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-UNCX (SL12043R) at 1/5000 dilution

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

Predicted band size: 54 kD

Observed band size: 54 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 (UNCX) Polyclonal Antibody, Unconjugated (SL12043R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.