SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-C22orf43 antibody

**Catalog Number: SL15140R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

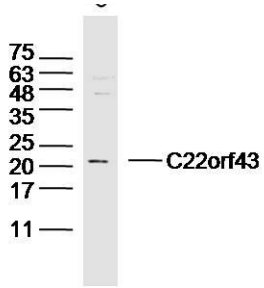
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | C22orf43 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human C22orf43 : 1-100/229 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human,Rat |
| **Predicted MW.:** | 25kDa |
| **Subcellular Location:** | The nucleus cytoplasmic Extracellular matrix |
| **Background:** | C22orf43 (chromosome 22 open reading frame 43), also known as MGC33025 or MGC75009, is a 229 amino acid protein encoded by a gene located on human chromosome 22, which contains over 500 genes and about 49 million bases. As the second smallest human chromosome, chomosome 22 contains a wide variety of genes with numerous functions. Phelan-McDermid syndrome, Neurofibromatosis type 2 and autism are associated with chromosome 22. A schizophrenia susceptibility locus has been identified on chromosome 22 and studies show that 22q11 deletion symptoms include a high incidence of schizophrenia. Translocations between chromosomes 9 and 22 may lead to the formation of the Philadelphia Chromosome and the subsequent production of the novel fusion protein, BCR-Abl, a potent cell proliferation activator found in several types of leukemia. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

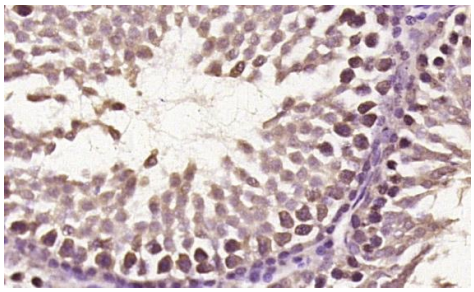
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|---|---|
| | **Database links:**<br>**Entrez Gene:** 51233 Human<br>**SwissProt:** Q6PGQ1 human |

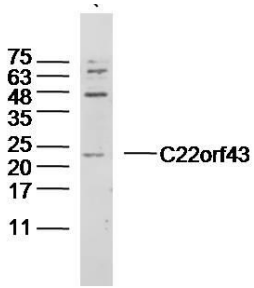
## [ VALIDATION IMAGES ]



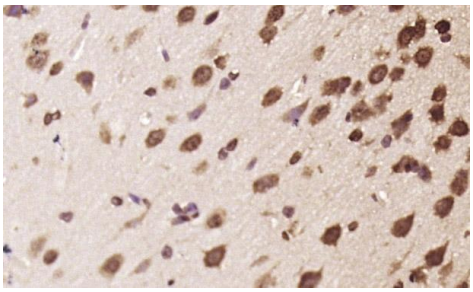

Sample:U251(human) Cell Lysate at 40 ug
Primary: Anti-C22orf43(SL15140R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25kD
Observed band size: 22kD



Paraformaldehyde-fixed, paraffin embedded (rat testis tissue); 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 (C22orf43) Polyclonal Antibody, Unconjugated (SL15140R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.




Sample:HT29(huaman) Cell Lysate at 40 ug
Primary: Anti-C22orf43(SL15140R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 25kD
Observed band size: 23kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); 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 (C22orf43) Polyclonal Antibody, Unconjugated (SL15140R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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