

IRP-1 (Phospho Ser711) Rabbit pAb

CatalogNo: YP0754 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Monkey

Applications

- WB, IHC, IF, ELISA

MW

- 85kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human IREB1 around the phosphorylation site of Ser711. AA range:681-730

Specificity

Phospho-IRP-1 (S711) Polyclonal Antibody detects endogenous levels of IRP-1 protein only when phosphorylated at S711. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): YGSR

Target Information

Gene name ACO1

Protein Name Cytoplasmic aconitate hydratase

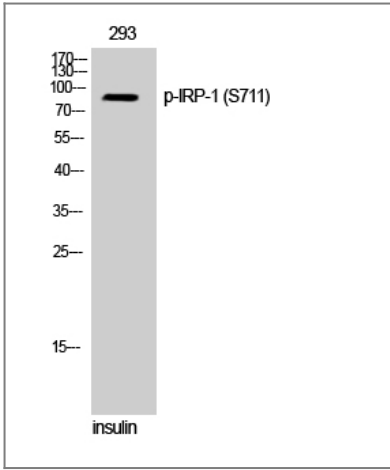
Organism	Gene ID	UniProt ID
Human	48;	P21399;
Mouse	11428;	P28271;
Rat	50655;	Q63270;

Cellular Localization Cytoplasm , cytosol .

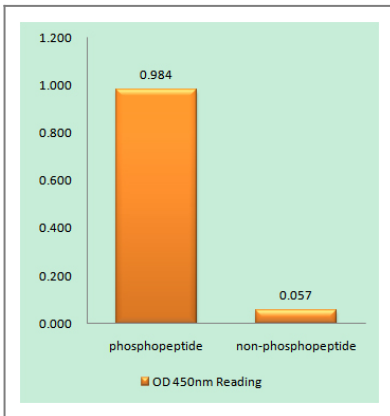
Tissue specificity Brain ,Brain astrocytoma ,Uterus ,

Function Catalytic activity:Citrate = isocitrate. ,cofactor: Binds 1 4Fe-4S cluster per subunit. ,Function: Binds to iron-responsive elements (IRES) , which are stem-loop structures found in the 5'-UTR of ferritin , and delta aminolevulinic acid synthase mRNAs , and in the 3'-UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA. This protein also expresses aconitase activity. ,online information: Aconitase entry ,similarity: Belongs to the aconitase/IPM isomerase family. ,

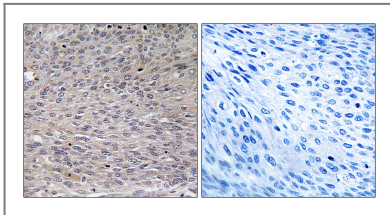
Validation Data



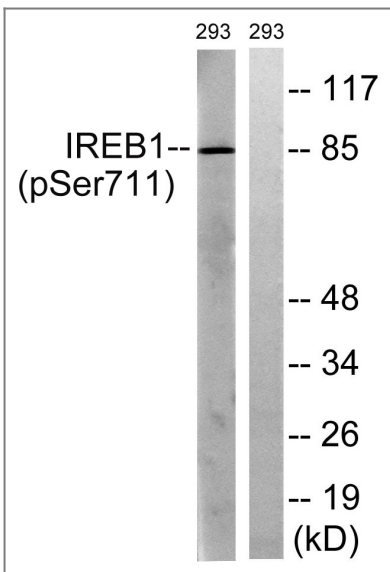
Western Blot analysis of 293 cells using Phospho-IRP-1 (S711) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IREB1 (Phospho-Ser711) Antibody



Immunohistochemistry analysis of paraffin-embedded human thyroid gland, using IREB1 (Phospho-Ser711) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 293 cells treated with insulin 0.01U/ml 30', using IREB1 (Phospho-Ser711) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

Orders: order.cn@immunoway.com
Support: support.cn@immunoway.com
Telephone: 400-8787-807(China)
Website: http://www.immunoway.com.cn
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code
to access additional
product information:
**IRP-1 (Phospho
Ser711) Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

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