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SERF1 Rabbit pAb

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Catalog # AP57713

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O75920
Predicted	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12349
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SERF1
Epitope Specificity	1-50/110
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the SERF family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This gene is the centromeric copy which is identical to the telomeric copy. Alternatively spliced transcripts have been documented but it is unclear whether alternative splicing occurs for both the centromeric and telomeric copies of the gene. The gene encodes a protein of unknown function which bears low-level homology with the RNA-binding domain of matrin-cyclophilin, a protein which colocalizes with small nuclear ribonucleoproteins (snRNPs) and the SMN1 gene product. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	728492;8293
Other Names	Small EDRK-rich factor 1, Protein 4F5, h4F5, SMA modifier 1, SERF1A, FAM2A, SERF1, SMAM1
Target/Specificity	Isoform Long is predominantly expressed in heart, brain and skeletal muscle. Isoform Short and Isoform Long are expressed throughout the central nervous system, including spinal cord.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SERF1A
Synonyms	FAM2A, SERF1, SMAM1
Function	Positive regulator of amyloid protein aggregation and proteotoxicity (PubMed:20723760, PubMed:22854022, PubMed:31034892). Induces conformational changes in amyloid proteins, such as APP, HTT, and SNCA, driving them into compact formations preceding the formation of aggregates (PubMed:20723760, PubMed:22854022, PubMed:31034892).
Cellular Location	Cytoplasm, cytosol. Nucleus
Tissue Location	Isoform Long is predominantly expressed in heart, brain and skeletal muscle. Isoform Short and Isoform Long are expressed throughout the central nervous system, including spinal cord

Background

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