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C11ORF77 Rabbit pAb

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Catalog # AP59429

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96MB7
Reactivity	Rat
Predicted	Human, Mouse, Chicken, Dog, Pig, Horse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39146
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human C11ORF77/HARBI1
Epitope Specificity	11-100/349
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Cytoplasm. Interaction with NAIF1 promotes translocation to the nucleus.
SIMILARITY	Belongs to the HARBI1 family.
SUBUNIT	Interacts with NAIF1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HARBI1 is a 349 amino acid nuclear and cytoplasmic protein belonging to the HARBI1 family. Members of the HARBI1 family of proteins are highly conserved in humans to various bony fish. Considered a transposase-derived protein, HARBI1 may possess nuclease activity and is expressed in brain, eye, nerve tissue, kidney and lung. HARBI1 utilizes divalent metal cations as cofactors, interacts with NAIF1 and promotes translocation to the nucleus. HARBI1 is encoded by a gene located on human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

Additional Information

Gene ID	283254
Other Names	Putative nuclease HARBI1, 3.1.-.-, Harbinger transposase-derived nuclease, HARBI1, C11orf77
Target/Specificity	Detected in brain, eye, nerve tissue, kidney and lung.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

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	HARBI1
Synonyms	C11orf77
Function	Transposase-derived protein that may have nuclease activity (Potential). Does not have transposase activity.
Cellular Location	Nucleus. Cytoplasm. Note=Interaction with NAIF1 promotes translocation to the nucleus
Tissue Location	Detected in brain, eye, nerve tissue, kidney and lung.

Background

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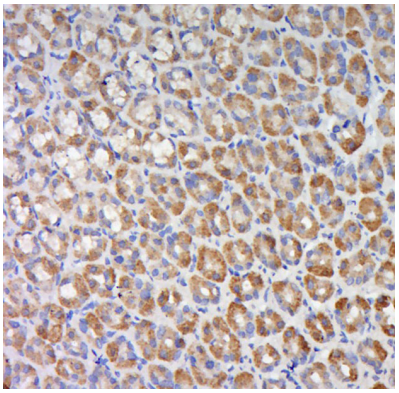
Images



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); 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 (C11ORF77) Polyclonal Antibody, Unconjugated (AP59429) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.