

HIATL1 Rabbit pAb

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Catalog # AP56295

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5SR56
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54545
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human HIATL1
Epitope Specificity	201-300/506
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	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	HIAT1 is a multi-pass membrane protein that may function as a sugar transporter and is expressed in adult and embryonic brain. The HIAT1 gene was first observed while analyzing for active genes in neonatal mouse hippocampus. HIATL1 (Hippocampus abundant transcript-like protein 1) is a 506 amino acid multi-pass membrane protein that also belongs to the Major facilitator superfamily. The gene encoding HIATL1 maps to human chromosome 9, which consists of about 145 million bases and encodes nearly 900 genes. Considered to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Notably, chromosome 9 encompasses the largest interferon family gene cluster. Chromosome 9 is partnered with chromosome 22 in the translocation leading to the aberrant production of BCR-ABL fusion protein often found in leukemias.

Additional Information

Gene ID	84641
Other Names	Solute carrier family 71 member 2 {ECO:0000312 HGNC:HGNC:23376}, Hippocampus abundant transcript-like protein 1 {ECO:0000312 HGNC:HGNC:23376}, Major facilitator superfamily domain-containing 14B {ECO:0000312 HGNC:HGNC:23376}, SLC71A2 (HGNC:23376)
Dilution	WB=1:500-2000,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.

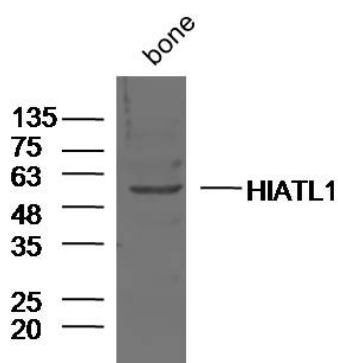
Protein Information

Name	SLC71A2 (HGNC:23376)
Function	Probable membrane-bound transporter. May play a role in neuronal nutrient sensing and energy homeostasis.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:Q8CIA9}; Multi-pass membrane protein {ECO:0000250 UniProtKB:Q8CIA9}

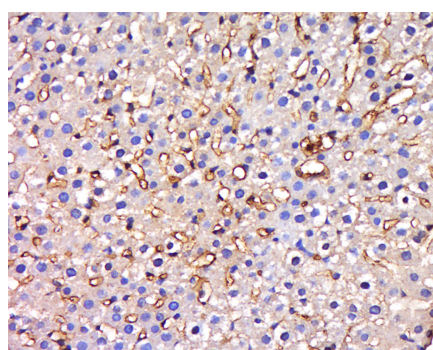
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Images



Sample:
Bone (Mouse) Lysate at 40 ug
Primary: Anti-HIATL1 (AP56295) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 55 kD
Observed band size: 55 kD



Tissue/cell: Mouse liver tissue; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-HIATL1 Polyclonal Antibody, Unconjugated(AP56295) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.