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ENO4 Rabbit pAb

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Catalog # AP55638

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	A6NNW6
Reactivity	Rat
Predicted	Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68465
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ENO4
Epitope Specificity	401-500/628
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Enolases have been characterized as highly conserved cytoplasmic glycolytic enzymes that may be involved in differentiation. Three isoenzymes have been identified, alpha enolase, beta enolase and gamma enolase. alpha enolase expression has been detected on most tissues, whereas betaenolase is expressed predominantly in muscle tissue and gamma enolase is detected only in nervous tissue. These isoforms exist as both homodimers and heterodimers, and they play a role in converting phosphoglyceric acid to phosphenolpyruvic acid in the glycolytic pathway. ENO4 (Enolase-like protein ENO4), also known as C10orf134, is a 628 amino acid protein that belongs to the Enolase family. ENO4 is expressed as two isoforms produced by alternative splicing and is encoded by a gene mapping to human chromosome 10q25.3 and murine chromosome 19 D3.

Additional Information

Gene ID	387712
Other Names	Enolase 4, 2-phospho-D-glycerate hydro-lyase, ENO4 (HGNC:31670), C10orf134
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.

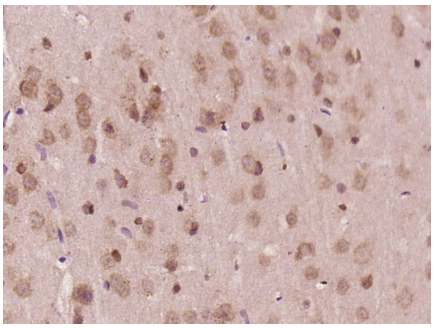
Protein Information

Name	ENO4 (HGNC:31670)
Synonyms	C10orf134
Function	Enolase that catalyzes the conversion of 2-phosphoglycerate to phosphoenolpyruvate in glycolysis and the reverse reaction in gluconeogenesis (By similarity). May be required for sperm motility and function.

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Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (ENO4) Polyclonal Antibody, Unconjugated (AP55638) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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