USA: proteintech@ptglab.com

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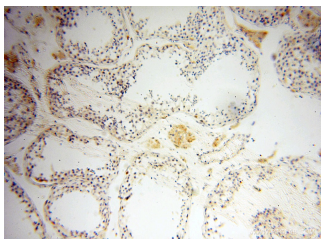
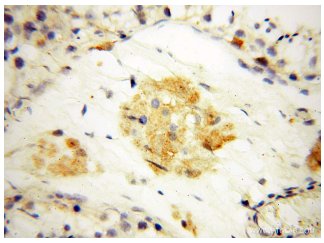
NSE Polyclonal Antibody

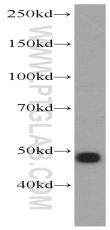
Catalog number: 10149-1-AP
Size: 20 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
ENO2; enolase 2 (gamma, neuronal), Gamma enolase, Neural enolase, Neuron specific enolase, NSE



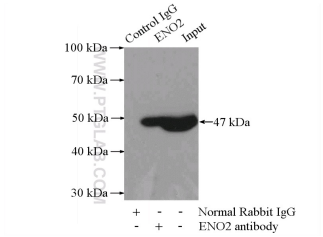
Immunohistochemical of paraffin-embedded human testis using 10149-1-AP(ENO2 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human testis using 10149-1-AP(ENO2 antibody) at dilution of 1:100 (under 40x lens)



human brain tissue were subjected to SDS PAGE followed by western blot with 10149-1-AP(ENO2 antibody) at dilution of 1:400



IP Result of anti-ENO2

Background

Enolases are cytoplasmic glycolytic enzymes that may be involved in differentiation. The enolase has three isoenzymes, alpha, beta and gamma. The alpha form is expressed in most tissues, whereas the beta form is expressed in muscle tissue. The gamma enolase (ENO2), particularly isoform neuron-specific enolase (NSE), a homodimer, is primarily localized in neurons and neuroendocrine cells and is a cancer diagnostic marker for brain tumors(PMID:7520111). ENO2 plays a role in the glycolysis-related energy pathway and might be involved in higher metabolic activity during the day than at night, at least in part.

Applications

Tested applications:	**ELISA, WB, IHC, IP**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Caculated NSE MW:	**47 kDa**
Observed NSE MW:	**47kd**
Positive WB detected in	**Human brain tissue, mouse brain tissue**
Positive IP detected in	**Mouse brain tissue**
Positive IHC detected in	**Human testis tissue, human brain tissue, human lung tissue**
Recommended dilution:	**WB: 1:200-1:1000** **IP: 1:200-1:1000** **IHC: 1:20-1:200**

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag0196**
GenBank accession number:	**BC002745**
Gene ID (NCBI):	**2026**
Full name:	**Enolase 2 (gamma, neuronal)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

(IP:10149-1-AP, 4ug;
Detection:10149-1-AP 1:300)
with mouse brain tissue lysate
4000ug.