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ABAT Antibody

Rabbit mAb
Catalog # AP92209

Product Information

Application	WB, IHC, IP
Primary Accession	P80404
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	ABAT; GABA transaminase; GABA transferase; GABAT; LAIBAT;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	56439

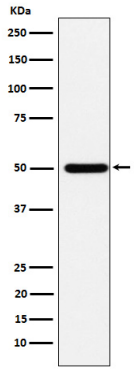
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ABAT
Description	Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	ABAT (HGNC:23)
Synonyms	GABAT
Function	Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively (PubMed:10407778, PubMed:15528998). Can also convert delta-aminovalerate and beta-alanine (By similarity).
Cellular Location	Mitochondrion matrix.
Tissue Location	Liver > pancreas > brain > kidney > heart > placenta.

Images



Western blot analysis of ABAT expression in HepG2 cell lysate.