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ABAT Rabbit mAb

Catalog # AP75469

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P80404
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	56439

Additional Information

Gene ID	18
Other Names	ABAT
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:50-1:100 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

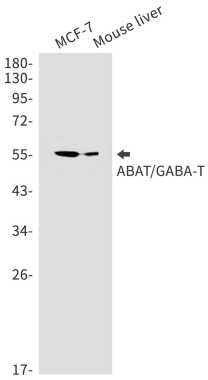
Name	ABAT (HGNC:23)
Synonyms	GABAT
Function	Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde and methylmalonate semialdehyde, respectively (PubMed:10407778, PubMed:15528998). Can also convert delta-aminovalerate and beta-alanine (By similarity).
Cellular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

Background

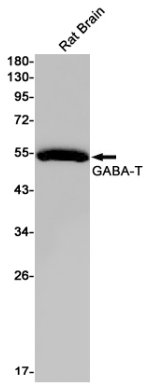
Catalyzes the conversion of gamma-aminobutyrate and L-beta-aminoisobutyrate to succinate semialdehyde

and methylmalonate semialdehyde, respectively. Can also convert delta-aminovalerate and beta-alanine.

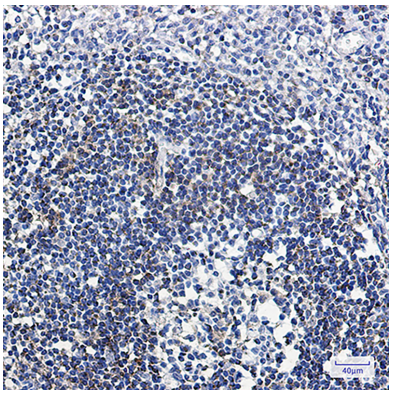
Images



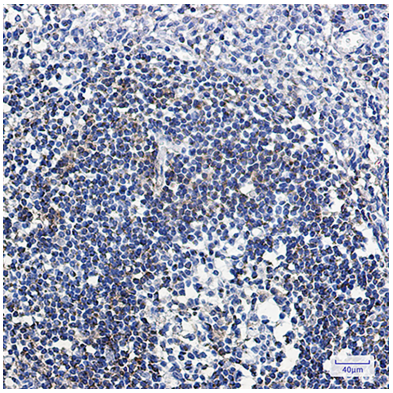
Western blot analysis of ABAT/GABAT in MCF-7, mouse liver lysates using ABAT antibody.

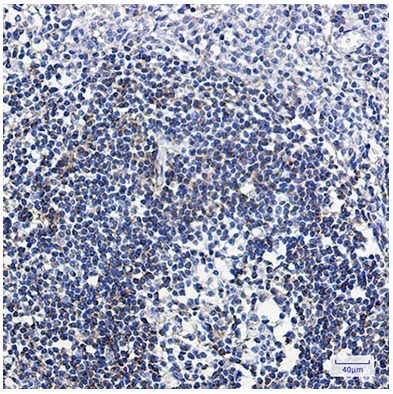


Western blot analysis of GABAT in rat Brain lysates using GABAT antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using ABAT/GABAT antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.





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