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KYNU Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant KYNU.
Catalog # AT2665a

Product Information

Application	WB, E
Primary Accession	Q16719
Other Accession	NM_003937
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Lambda
Clone Names	1G2
Calculated MW	52352

Additional Information

Gene ID	8942
Other Names	Kynureninase {ECO:0000255|HAMAP-Rule:MF_03017}, 3713 {ECO:0000255|HAMAP-Rule:MF_03017}, L-kynurenine hydrolase {ECO:0000255|HAMAP-Rule:MF_03017}, KYNU {ECO:0000255|HAMAP-Rule:MF_03017}
Target/Specificity	KYNU (NP_003928, 2 a.a. ~ 108 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KYNU Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

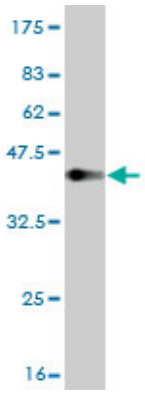
Background

Kynureninase is a pyridoxal-5'-phosphate (pyridoxal-P) dependent enzyme that catalyzes the cleavage of L-kynurenine and L-3-hydroxykynurenine into anthranilic and 3-hydroxyanthranilic acids, respectively. Kynureninase is involved in the biosynthesis of NAD cofactors from tryptophan through the kynurenine pathway. Two transcript variants encoding different isoforms have been found for this gene.

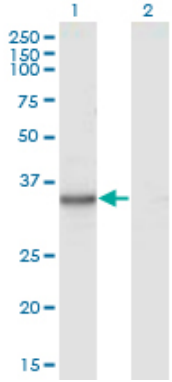
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Xanthurenic aciduria due to a mutation in KYNU encoding kynureninase. Christensen M, et al. J Inherit Metab Dis, 2007 Apr. PMID 17334708.[A polymorphism of kynureninase gene in a hypertensive candidate chromosomal region is associated with essential hypertension] Zhang Y, et al. Zhonghua Xin Xue Guan Bing Za Zhi, 2005 Jul. PMID 16080802.Enzymology of NAD+ homeostasis in man. Magni G, et al. Cell Mol Life Sci, 2004 Jan. PMID 14704851.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Images

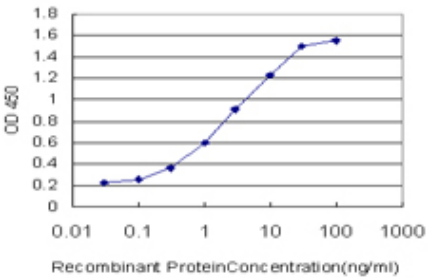


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.51 KDa) .



Western Blot analysis of KYNU expression in transfected 293T cell line by KYNU monoclonal antibody (M02), clone 1G2.

Lane 1: KYNU transfected lysate (Predicted MW: 34.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged KYNU is approximately 0.1ng/ml as a capture antibody.

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