

KYNU Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant KYNU.****Catalog # AT2665a****Specification**

KYNU Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	Q16719
Other Accession	NM_003937
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Lambda
Calculated MW	52352

KYNU Antibody (monoclonal) (M02) - 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.

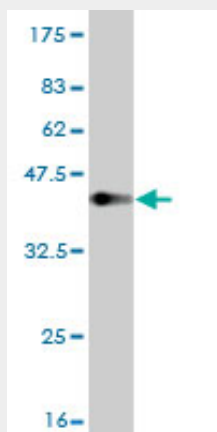
KYNU Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

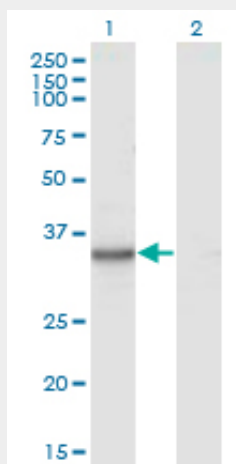
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KYNU Antibody (monoclonal) (M02) - Images



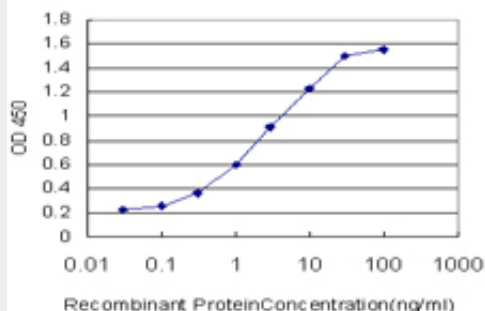
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .



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.

KYNU Antibody (monoclonal) (M02) - 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.

KYNU Antibody (monoclonal) (M02) - 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.