



INDOL1 Polyclonal Antibody

Catalog No	YP-Ab-02876
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	IDO2
Protein Name	Indoleamine 2,3-dioxygenase 2
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IDO2. AA range:101-150
Specificity	INDOL1 Polyclonal Antibody detects endogenous levels of INDOL1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IDO2; INDOL1; Indoleamine 2,3-dioxygenase 2; IDO-2; Indoleamine 2,3-dioxygenase-like protein 1; Indoleamine-pyrrole 2,3-dioxygenase-like protein 1
Observed Band	45kD
Cell Pathway	cytoplasm,cytosol,integral component of membrane,
Tissue Specificity	Detected in liver, small intestine, spleen, placenta, thymus, lung, brain, kidney, and colon (PubMed:17671174). Also expressed at low level in testis and thyroid. Not expressed in the majority of human tumor samples (>99%) (PubMed:25691885).
Function	tryptophan metabolic process, tryptophan catabolic process, cellular amino acid derivative metabolic process, biogenic amine metabolic process, indolalkylamine metabolic process, cellular amino acid catabolic process, aromatic amino acid family metabolic process, aromatic amino acid family catabolic process, amine catabolic process, organic acid catabolic process, aromatic compound catabolic process, tryptophan catabolic process to kynurenine, cellular amino acid derivative catabolic process, biogenic amine catabolic process, indole and derivative metabolic process, indole derivative metabolic process, indole derivative catabolic process, indolalkylamine catabolic process, carboxylic acid catabolic process, heterocycle catabolic process, oxidation reduction,



Background

Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]).[supplied by OMIM, Feb 2011],

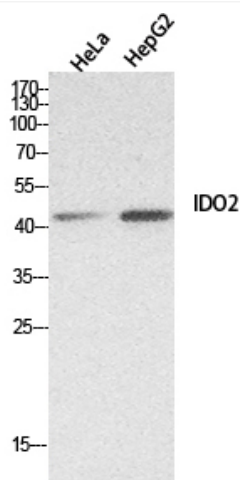
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of HeLa, HepG2 cells using INDOL1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000