

## INDOL1 Polyclonal Antibody

<b>Catalog No :</b>	YT5515
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	INDOL1
<b>Fields :</b>	>>Tryptophan metabolism;>>Metabolic pathways;>>Biosynthesis of cofactors;>>African trypanosomiasis
<b>Gene Name :</b>	IDO2
<b>Protein Name :</b>	Indoleamine 2,3-dioxygenase 2
<b>Human Gene Id :</b>	169355
<b>Human Swiss Prot No :</b>	Q6ZQW0
<b>Mouse Swiss Prot No :</b>	Q8R0V5
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human IDO2. AA range:101-150
<b>Specificity :</b>	INDOL1 Polyclonal Antibody detects endogenous levels of INDOL1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 45kD

**Cell Pathway :** Tryptophan metabolism;

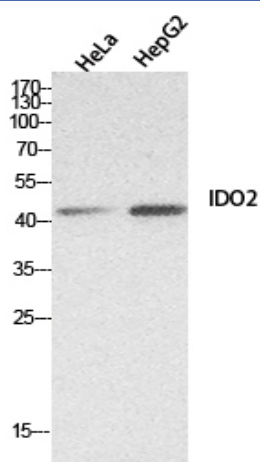
**Background :** Along with the enzymes encoded by the INDO (MIM 147435) and TDO2 (MIM 191070) genes, the enzyme encoded by the INDOL1 gene metabolizes tryptophan in the kynurenine pathway (Ball et al., 2007 [PubMed 17499941]).[supplied by OMIM, Feb 2011],

**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,

**Subcellular Location :** cytoplasm,cytosol,integral component of membrane,

**Expression :** 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).

## Products Images



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