Product datasheet for TA504730

TDO2 Mouse Monoclonal Antibody [Clone ID: OTI4G2]

Product data:

Product Type: Primary Antibodies
Clone Name: OTI4G2
Applications: IHC, WB
Recommended Dilution: WB 1:2000, IHC 1:150
Reactivity: Human, Mouse, Rat
Host: Mouse
Isotype: IgG2a
Clonality: Monoclonal
Immunogen: Full length human recombinant protein of human TDO2(NP_005642) produced in HEK293T cell.
Formulation: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration: 1 mg/ml
Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation: Unconjugated
Storage: Store at -20°C as received.
Stability: Stable for 12 months from date of receipt.
Predicted Protein Size: 47.7 kDa
Gene Name: tryptophan 2,3-dioxygenase
Database Link: NP_005642
Entrez Gene 56720 MouseEntrez Gene 64206 RatEntrez Gene 6999 Human P48775
Background: Tryptophan 2,3-dioxygenase (EC 1.13.11.11) plays a role in catalyzing the first and rat-limiting step in the kynurenine pathway, the major pathway of tryptophan metabolism. [supplied by OMIM]
Synonyms: TDO; TO; TPH2; TRPO
Protein Pathways: Metabolic pathways, Tryptophan metabolism

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TDO2 ([RC202777], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TDO2. Positive lysates [LY401726] (100ug) and [LC401726] (20ug) can be purchased separately from OriGene.

Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-TDO2 monoclonal antibody at 1:200 dilution.

Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-TDO2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504730)