

Datasheet for ABIN2782335
anti-TDO2 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	TDO2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TDO2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TDO2
Sequence:	LFIITHQAYE LWFKQILWEL DSVREIFQNG HVRDERNMLK VVSRMHRVSV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against TDO2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TDO2
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Target Details

Alternative Name:	TD02 (TD02 Products)
Background:	<p>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.</p> <p>Alias Symbols: TDO, TPH2, TRPO, TO</p> <p>Protein Interaction Partner: MOB3C, NGB, MOB1A, SDCBP2, ZFYVE26, DPM1, ASMTL, TD02, SDCBP, PSMA1, EIF4E, NMNAT1, REL, MEOX2, PRMT6, KDM1A,</p> <p>Protein Size: 406</p>
Molecular Weight:	48 kDa
Gene ID:	6999
NCBI Accession:	NM_005651 , NP_005642
UniProt:	P48775

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-TDO2 Antibody Titration: 0.2-1 ug/ml Positive Control: Human Small Intestine

Western Blotting

Image 2. Host: Rabbit Target Name: TDO2 Sample Tissue: Human Liver Tumor Antibody Dilution: 1ug/ml

Western Blotting

Image 3. Host: Rabbit Target Name: TDO2 Sample Tissue: Human HepG2 Whole Cell Antibody Dilution: 1ug/ml