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Datasheet for ABIN2782335 anti-TDO2 antibody (N-Term)

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: | TD02 |

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| Target Details | |
|-------------------|---|
| Alternative Name: | TD02 (TD02 Products) |
| 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. Alias Symbols: TDO, TPH2, TRPO, TO Protein Interaction Partner: MOB3C, NGB, MOB1A, SDCBP2, ZFYVE26, DPM1, ASMTL, TDO2, SDCBP, PSMA1, EIF4E, NMNAT1, REL, MEOX2, PRMT6, KDM1A, Protein Size: 406 |
| Molecular Weight: | 48 kDa |
| Gene ID: | 6999 |
| NCBI Accession: | NM_005651, NP_005642 |
| UniProt: | P48775 |

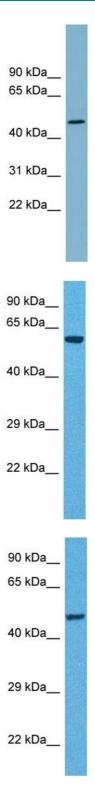
Application Details

| 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. |

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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

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

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