

# Product Datasheet

## IDO2 Antibody (1HC) - BSA Free

### NBP2-21641

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP2-21641**

IDO2 Antibody (1HC) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1HC
Preservative	0.01% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

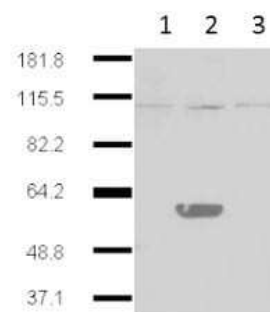
Product Description	
Description	<p>This antibody was purified from concentrated tissue culture supernate by Protein G chromatography followed by extensive dialysis against the buffer stated above</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Mouse
Gene ID	169355
Gene Symbol	IDO2
Species	Mouse
Reactivity Notes	Cross-reactivity with IDO2 from other sources has not been determined
Immunogen	IDO2 Antibody (1HC) was produced in mouse by repeated immunizations with complete mouse IDO2 protein followed by hybridoma development. (Uniprot: Q8R0V5)

Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500-1:1500, ELISA 1:5000-1:50000, Immunocytochemistry/ Immunofluorescence 1:50-1:100
Application Notes	This product has been tested in western blot and is suitable for use in ELISA and IF. Specific conditions for reactivity should be optimized by the end user.



## Images

Western Blot: IDO2 Antibody (1HC) [NBP2-21641] - Western Blot of Mouse Anti-IDO2 antibody. Lane 1: HEK293 no transgene cell extracts. Lane 2: mouse IDO-2 transgene expressed in 293HEK. Lane 3: mouse IDO-1 transgene expressed in 293HEK. IDO2 monoclonal Antibody. Secondary antibody: Dye800 mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blocking Buffer overnight at 4C. Predicted/Observed size: 44.4 kDa, ~60 kDa for IDO 2. Other band: IDO2 splice variants and isoforms.



## Publications

Nguyen DT, Kleczko EK, Dwivedi N et al. The tryptophan-metabolizing enzyme indoleamine 2,3-dioxygenase 1 regulates polycystic kidney disease progression JCI Insight 2023-01-10 [PMID: 36422996] (Western Blot)

Metz R, Duhadaway JB, Rust S et al. Zinc protoporphyrin IX stimulates tumor immunity by disrupting the immunosuppressive enzyme indoleamine 2,3-dioxygenase. Mol Cancer Ther 2010-06-01 [PMID: 20530717]



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### **Products Related to NBP2-21641**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-21641UV	IDO2 Antibody (1HC) [DyLight 350]

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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