

TDO2 Antibody (clone 4G2)
Mouse Monoclonal Antibody
Catalog # ALS16832**Specification**

TDO2 Antibody (clone 4G2) - Product Information

Application	IHC, WB
Primary Accession	P48775
Other Accession	6999
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	47872

TDO2 Antibody (clone 4G2) - Additional Information**Gene ID** 6999**Other Names**

TDO2, TDO, TO, TRPO, Tryptophan pyrrolase, Tryptophan oxygenase, Tryptophan 2, 3-dioxygenase, Tryptophanase, Tryptamin 2, 3-dioxygenase

Target/Specificity

Human TDO / TDO2

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

TDO2 Antibody (clone 4G2) is for research use only and not for use in diagnostic or therapeutic procedures.

TDO2 Antibody (clone 4G2) - Protein Information**Name** TDO2 {ECO:0000255|HAMAP-Rule:MF_03020}**Synonyms** TDO**Function**

Heme-dependent dioxygenase that catalyzes the oxidative cleavage of the L-tryptophan (L-Trp) pyrrole ring and converts L- tryptophan to N-formyl-L-kynurenine. Catalyzes the oxidative cleavage of the indole moiety.

Volume

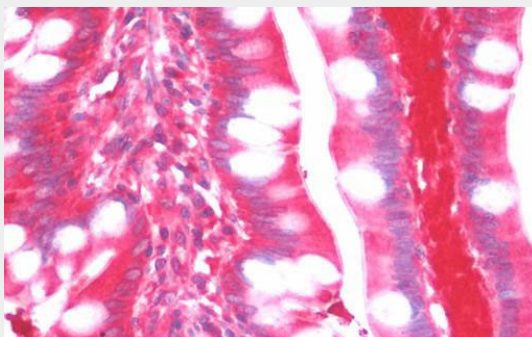
50 µl

TD02 Antibody (clone 4G2) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

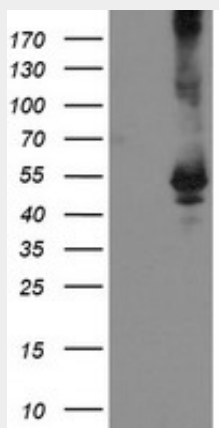
TD02 Antibody (clone 4G2) - Images



Anti-TDO / TPH2 / TD02 antibody IHC staining of human small intestine.



Anti-TDO / TPH2 / TD02 antibody IHC staining of human adrenal.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TDO2...

TDO2 Antibody (clone 4G2) - Background

Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin (By similarity).

TDO2 Antibody (clone 4G2) - References

Comings D.E., et al. Genomics 29:390-396(1995).

Ota T., et al. Nat. Genet. 36:40-45(2004).

Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.