L-Kynurenine Antibody – Rabbit Polyclonal

Ref: IS1012

Validated for IHC in human tumor tissues, this anti-L-Kynurenine (Kyn) rabbit polyclonal antibody proved to work at 1/500 dilution on paraffin-embedded sections, a single vial thus catering for approximately 100 stainings.

Clonality	Polyclonal
Host	Rabbit
Validated applications	IHC
Reactivity	Reacts with all species
References	Not yet cited to our knowledge. Submit content and get a 10% discount!
Format	50µl
References	Cited in 2 papers

INFORMATIONS

Product overview

Product name	L-Kynurenine polyclonal antibody
Synonyms	KYN polyclonal antibody (S)-Kynurenine polyclonal antibody L-2-Amino-4-(2-aminophenyl)-4-oxobutanoic acid antibody Kynurenine polyclonal antibody 3-Anthraniloyl-L-alanine polyclonal antibody
Immunogen	Conjugated L-Kynurenine
Specificity	When tested in competitive ELISA, the anti-L-Kynurenine polyclonal antibody did not show any significant cross reactivity with competitors including anthranilic acid, 3-OH-Kynurenine conjugate and Tryptophan

Storage

Form	Liquid
Purity	Purified anti-serum
Storage	Store at +4°C for short term (1-2 months). Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles
Material safety datasheet	Download MSDS

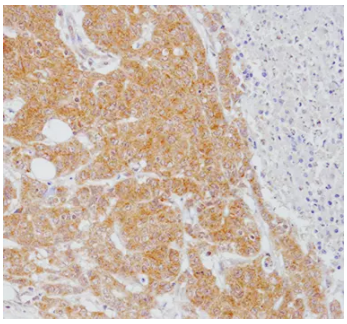
PROTOCOLS

Immunohistochemistry (IHC)	Dilute at 1:100-1:1000. Perform heat antigen retrieval (pH=6) before initiating IHC staining protocol on paraffin-embedded and frozen sections
Comments	Optimal working dilutions must be determined by the end-user
Restrictions	For research use only

REFERENCES

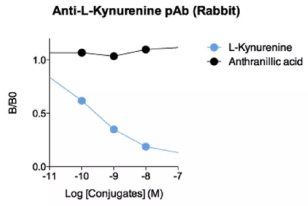
Product citations

Product pictures



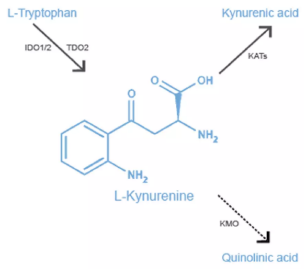
L-Kynurenine accumulation in human colorectal tumor by IHC

Immunohistochemical analysis reveals cytoplasmic accumulation of L-Kynurenine in tumour cells in human colorectal cancer tissue. Paraffin-embedded tissue section was subjected to pH=6 antigen retrieval, and overnight incubation with primary anti-KYN polyclonal antibody (1/500 dilution). A polymer-conjugated secondary Ab was added and immunostaining was revealed using DAB.



Affinity & specificity of L-Kynurenine polyclonal antibody

Competitive ELISA shows that low amounts of L-Kynurenine conjugate are required to abolish antigen-antibody reaction (high affinity), while rising concentrations of anthranilic acid conjugate do not affect reaction (high specificity).



L-Kynurenine

L-Kynurenine, the first stable by-product of the kynurenine pathway, is synthesized from L-Tryptophan by indoleamine 2,3-dioxygenase (IDO1/2) or tryptophan 2,3-dioxygenase (TDO2) enzymes. Acting as an endogenous ligand of Aryl hydrocarbon Receptor (AhR), L-Kunrenine exerts anti-inflammatory effects and promotes glioma progression. L-kynurenine is also widely used as a biomarker of tryptophan catabolism and kynurenine pathway activation in immune-related and neurological disorders.

Contact information

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To order, review, ask for technical support, visit product page at:

https://www.immusmol.com/shop/l-kynurenine-pab/