

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

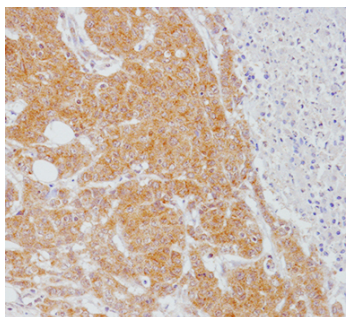
PROTOCOLS

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

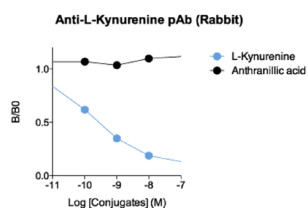
Product citations

Product pictures



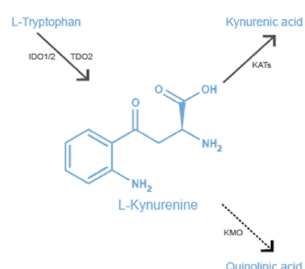
L-Kynurenine accumulation in human colorectal tumor by IHC

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-Kynurenine 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

Immusmol
229 Cours de l'Argonne
33 000 Bordeaux - France
Tel: +33 (0) 5 6431 1170
www.immusmol.com

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

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