

AB-NK181-4

Tyk2-2 Antibody



KINEXUS

Pan-specific rabbit polyclonal antibody for monitoring the expression of human protein-tyrosine kinase Tyk2

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Protein Name Long:	Protein-tyrosine kinase 2 (Jak-related)
Protein Alias:	JTK1; Kinase Tyk2; Tyrosine kinase 2; CCDS12236.1; ENSG00000105397
UniProt ID:	P29597
Protein Molecular Mass:	133,650 Da (1187 AA; P29597)

Immunogen

Antibody Immunogen Source:	Human TYK2 sequence peptide Cat. No.: PE-01AVK99
Antibody Immunogen Sequence:	CASDPTVFKRYLKKI
Antibody Immunogen Description:	Corresponds to amino acid residues A886 to I900.
Antibody Target Type:	Pan-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Numbers:	140724
Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Dog Mouse Frog
Antibody Positive Control:	The observed molecular mass of the processed target protein on SDS-PAGE gels is reported to be around 130-140 kDa.
Antibody Potency:	Medium detection of recombinant Tyk2.

Antibody Specificity:	Very high
Antibody Cross Reactivity:	No immunoreactivity on protein dot blots with recombinant human JAK1, JAK2 and JAK3.

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987