## AB-NK086-4 JAK3-3 Antibody

Pan-specific polyclonal antibody for monitoring the expression of human protein-tyrosine kinase JAK3



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

Alias:   kinase; LJAK; L-JAK; CCDS12366.1; ENSG0000105639     UniProt ID:   P52333     Sequence Predicted Mass (KDa):   125.099 (1124 AA; P52333); 121.268 (1094 AA; P52333-2); 68.279 (619 P52333-4)     Observed SDS-PAGE Mass (KDa):   110-125     Immunogen   110-125     Antibody Immunogen Source:   Human JAK3 sequence peptide Cat. No.: PE-01AUR99     Antibody Immunogen Sequence:   CFTAHPEGKHHSLSFS     Location in Target:   Corresponds to amino acid residues F1110 to S1124; C-terminus     Peptide Type:   For pan-specific recognition of target expression levels.     Target Phosphosite:   Not phosphorylated     Production   Immunoglobulin G     Antibody Ig Isotype Clone Lot:   Immunoglobulin G     Production Method:   The immunizing peptide was produced by solid phase synthesis on a mu peptide synthesizer and purified by reverse-phase hplc chromatography, was assessed by analytical hplc and the amino acid sequence confirmed mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneou injected with KLH-coupled immunizing peptide every 4 weeks for 4 month sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column	Target Protein	
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Sequence Producted Mass (KDa):   P52333-4)     Observed SDS-PAGE Mass (KDa):   110-125     Immunogen   Antibody Immunogen Source:     Antibody Immunogen Sequence:   CFTAHPEGKHHSLSFS     Location in Target:   Corresponds to amino acid residues F1110 to S1124; C-terminus     Peptide Type:   For pan-specific recognition of target expression levels.     Target Phosphosite:   Not phosphorylated     Production   Rabbit     Antibody Ig Isotype Clone Lot:   Immunoglobulin G     The immunizing peptide was produced by solid phase synthesis on a mu peptide synthesizer and purified by reverse-phase hplc chromatography, was assessed by analytical hplc and the amino acid sequence colfirmed mass spectrometry analysis. This peptide every 4 weeks for 4 month sera from each animal was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the colum 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralize 7.0 with saturated Tris.     Antibody Concentration:   1 mg/ml     Lot Number:   140724	UniProt ID:	P52333
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<b>Storage Conditions and Stability:</b> For long term storage, keep frozen at -40°C or lower. Stock solution can at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.		For long term storage, keep frozen at -40°C or lower. Stock solution can be kept





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Applications	
Product Use:	Western blotting   Antibody microarrays
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human, mouse, rat and many other mammals
Antibody Positive Controls:	Strong immunoreactivity with recombinant human JAK3 on protein dot blots.
<b>Overall Antibody Specificity:</b>	High selectivity
Antibody Cross Reactivities:	Very weak immunoreactivity on protein dot blots with recombinant human JAK1 and JAK2, and no immunoreactivity with Tyk2.

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