

AB-PK588

CSF1R-pY809 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase CSF1R (Fms)



KINEXUS

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

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

Target Protein

Name Long:	Macrophage colony-stimulating factor 1 receptor
Alias:	CD115; C-fms; Colony stimulating factor 1 receptor; CSF-1-R; CSFMR; FMS; Fms proto-oncogene; Kinase CSFR; Macrophage colony stimulating factor I receptor precursor; M-CSFR; FIM2; FIM2; CCDS4302.1; A2VDG3; Q6LEI2; ENSG00000182578
UniProt ID:	P07333
Sequence Predicted Mass (KDa):	107.984 (972 AA; P07333); 33.248 (306 AA; P07333-2)
Observed SDS-PAGE Mass (KDa):	120-130

Immunogen

Antibody Immunogen Source:	Human CSF1R (Fms) sequence peptide Cat. No.: PE-04AKC99
Antibody Immunogen Sequence:	DSN(pY)IVK(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues D806 to K812; In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Tyr-809

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	Immunoglobulin G
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipеп 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 each animal 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. This antibody was also subject to negative purification over phosphotyrosine-agarose.
Antibody Amount:	25 µg
Antibody Concentration:	0.5 mg/ml
Lot Number:	141204
Storage Buffer:	Phosphate buffered saline (PBS) pH7.4, 0.05% Thimerasol
Storage Conditions and Stability:	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.

AB-PK588

CSF1R-pY809 Antibody



KINEXUS

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

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

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:	Weak reactivity with recombinant human CSF1R on protein dot blots.
Antibody Cross Reactivities:	Strong immunoreactivity on protein dot blots with recombinant human Flt3 and Kit, which also feature nearly an identical phosphosite sequence.

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 www.kinexusproducts.ca or contact us at 1-866-KINEXUS(546-3987)