

AB-PK707

Met-pT1355+pY1356 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human protein-tyrosine kinase Met



KINEXUS

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Target Protein

Name Long:	Hepatocyte growth factor (HGF) receptor-tyrosine kinase
Alias:	C-met; Hepatocyte growth factor receptor; HGF receptor; HGFR; HGF-SF receptor; Kinase Met; Met proto- oncogene tyrosine kinase; Met proto-oncogene; RCCP2; ENSG00000105976
UniProt ID:	P08581
Sequence Predicted Mass (KDa):	157.712 (1408 AA; P08581-2); 155.541 (1390 AA; P08581); 85.745 (764 AA; P08581-3)
Observed SDS-PAGE Mass (KDa):	140-155

Immunogen

Antibody Immunogen Source:	Human Met sequence peptide Cat. No.: PE-04AEB99
Antibody Immunogen Sequence:	NA(pT)(pY)VNV(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues N1353 to V1359; In the C-terminus of the kinase. This is the major in vivo phosphorylation sites in Met.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-1355+Tyr-1356

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 multipепptide 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:	0.25 mg/ml
Lot Number:	141003
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.

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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:	Medium immunoreactivity with immunogen peptide on dot blots. Very strong immunoreactivity with recombinant human Met on protein dot blots.
Antibody Cross Reactivities:	Medium immunoreactivity on protein dot blots with recombinant human Ron.

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)