

AB-PN555

EEF2-pT57 Antibody

Phosphosite-specific polyclonal antibody for monitoring the phosphorylation of human EEF2



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:	Eukaryotic elongation factor 2
Alias:	EEF-2; EF-2; EF2; Elongation factor 2; eukaryotic translation elongation factor 2; polypeptidyl-tRNA translocase
UniProt ID:	P13639
Sequence Predicted Mass (KDa):	95.338 (858 AA; P13639)
Observed SDS-PAGE Mass (KDa):	95-105

Immunogen

Antibody Immunogen Source:	Human EEF2 sequence peptide Cat. No.: PE-04AQY90
Antibody Immunogen Sequence:	ETRF(pT)DTR(bA)C (bA) = beta-alanine
Location in Target:	Corresponds to amino acid residues E53 to R60; In the N-terminal portion of the protein. One of the major in vivo phosphorylation sites in EEF2.
Peptide Type:	For phosphosite-specific recognition of target.
Target Phosphosite:	Thr-57

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:	160301
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
Detection by Immunoblotting in Cell/Tissue Lysates:	Strong immunoreactivity of a target-sized protein by Western blotting in A431 and MCF7 cells.
Overall Antibody Specificity:	Very high selectivity
Antibody Cross Reactivities:	No significant cross-reactive proteins detected in A431, HeLa and MCF7 cells.

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)