

Product Datasheet

Mer [p Tyr754, p Tyr749, p Tyr753] Antibody NB300-690-0.05mg

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB300-690-0.05mg

Mer [p Tyr754, p Tyr749, p Tyr753] Antibody

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris/Glycine buffer, pH 7.4-7.8, HEPES,BSA 0.5%, glycerol 30%.
Target Molecular Weight	180 kDa

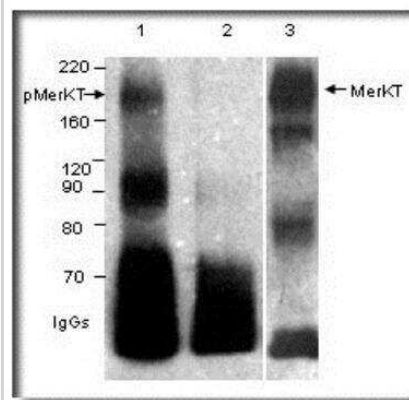
Product Description	
Host	Rabbit
Gene ID	10461
Gene Symbol	MERTK
Species	Human, Mouse, Rat, Monkey
Specificity/Sensitivity	MERTK [Tyr749/Tyr753/Tyr754]
Immunogen	Synthetic peptide: corresponding to amino acids 746-757 (CKKIYSGDYRQG-amide) [p Y749, p Y753, p Y754] of Human MERTK.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:750, Flow Cytometry 1:250, ELISA 1:10000, Immunohistochemistry 1:250, Immunocytochemistry/ Immunofluorescence 1:250

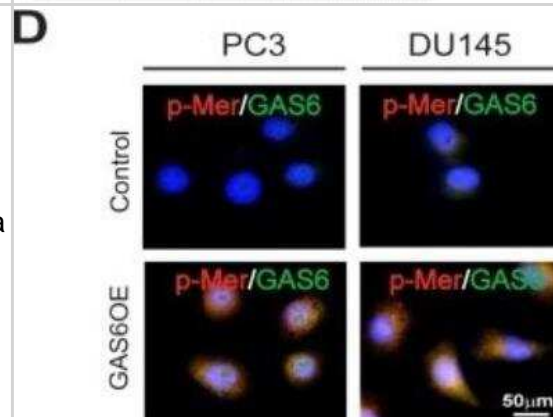


Images

Western Blot: Mer [p Tyr749, p Tyr753] Antibody [NB300-690] - Phospho & non-Phospho-MerTK with Phospho-MERTK Antibody (NB300-690). Phosphorylated (1) & un-phosphorylated (2, 3) MERTK was immunoprecipitated with MERTK and blotted with Phospho-MerTK antibody (NB300-690). MW of MERTK is 174 kDa. Lower broad band is of IgGs in the immunoprecipitates.

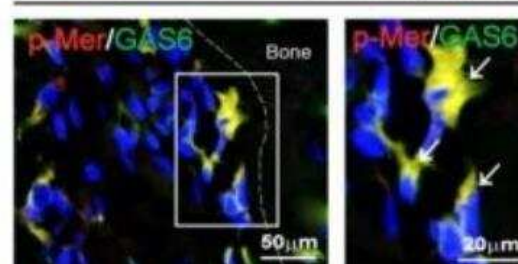


Immunocytochemistry/Immunofluorescence: Mer [p Tyr754, p Tyr749, p Tyr753] Antibody [NB300-690] - PCaControl cells or PCaGAS6OE cells were starved for 24 hours and then exposed to 10% FBS of culture condition for 1 hour and phosphorylation of Mer was evaluated by (D) immunofluorescence staining. Bar = 50 μ m. Image collected and cropped by CiteAb from the following publication (oncotarget.com/lookup/doi/10.18632/oncotarget.8365), licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: Mer [p Tyr754, p Tyr749, p Tyr753] Antibody [NB300-690] - Left panel: Immunofluorescence staining of p-Mer (red)/GAS6 (green) in PCa cells in bone marrow of a PCa patient. Blue, DAPI nuclearstain. Bar = 50 μ m. Right panel: p-Mer (red)/GAS6 (green) positive cells (white arrows) in the magnification of the white rectangle from left panel. Bar = 20 μ m. Image collected and cropped by CiteAb from the following publication (oncotarget.com/lookup/doi/10.18632/oncotarget.8365), licensed under a CC-BY license.

PCa cells in marrow from patient



Publications

Chang L, Chin Y, Wu P et al. Polymeric nano-formulation of spectrum selective RTK inhibitor strengthens anti-cancer effects via immune remodeling by endoplasmic reticulum stress-modulating mitochondrial metabolism Nano Today 2024-02-01 (WB, Mouse)

Yefimova, M G, LefEvre, C Et al. Granulosa cells provide elimination of apoptotic oocytes through unconventional autophagy-assisted phagocytosis. Hum Reprod 2020-06-01 [PMID: 32531067] (WB, Mouse)

Du W, Huang H, Sorrelle N, Brekken RA. Sitravatinib potentiates immune checkpoint blockade in refractory cancer models. JCI Insight. 2018-11-02 [PMID: 30385724] (WB, Mouse)

A-Gonzalez Noelia, Bensinger Steven J, Hong Cynthia et al. Apoptotic cells promote their own clearance and immune tolerance through activation of the nuclear receptor LXR. Immunity 2009-01-01 [PMID: 19646905] (WB, Mouse)

Jung Y, Decker AM, Wang J et al. Endogenous GAS6 and Mer receptor signaling regulate prostate cancer stem cells in bone marrow. Oncotarget 2016-05-03 [PMID: 27028863]



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Products Related to NB300-690-0.05mg

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-58025PEP	Mer Recombinant Protein Antigen

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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