

# Product Datasheet

## MEK1 [p Ser218, p Ser222] Antibody - Azide Free NB500-139

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NB500-139**

MEK1 [p Ser218, p Ser222] Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	45 kDa

Product Description	
Host	Rabbit
Gene ID	5604
Gene Symbol	MAP2K1
Species	Human, Mouse
Specificity/Sensitivity	Specific for endogenous levels of the ~45 kDa MEK1 protein phosphorylated at Ser218/222. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser218/222 conjugated to KLH. Accession # Q02750

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:1000
Application Notes	This antibody is useful for Western blot where a band at 45 kDa is seen.

**Images**

Western Blot: MEK1 [p Ser218, p Ser222] Antibody [NB500-139] - Western Blot of NIH 3T3 cell lysates showing specific immunolabeling of the ~45kDa MEK 1/2 protein phosphorylated at Ser218 and Ser222. The cells were either serum starved (Control) or incubated in the presence of serum (Serum). Immunolabeling of an additional band at ~95kDa was also observed.

**Publications**

Chen JQ, Lee JH, Herrmann MA et al. Capillary isoelectric-focusing immunoassays to study dynamic oncoprotein phosphorylation and drug response to targeted therapies in non-small cell lung cancer. Mol Cancer Ther. 2013-11-01 [PMID: 23979919] (Human)



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### **Products Related to NB500-139**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00005604-Q01-10ug	Recombinant Human MEK1 GST (N-Term) Protein

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### **Limitations**

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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