

# Product Datasheet

## p38 alpha [p Tyr182] Antibody NB100-82097

Unit Size: 0.05 ml

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

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**NB100-82097**

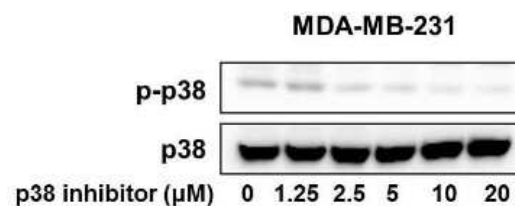
p38 alpha [p Tyr182] Antibody

<b>Product Information</b>	
<b>Unit Size</b>	0.05 ml
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS, 50% glycerol, 0.5% BSA
<b>Target Molecular Weight</b>	38 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1432
<b>Gene Symbol</b>	MAPK14
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	Detects endogenous levels of p38 alpha only when phosphorylated at tyrosine 182.
<b>Immunogen</b>	The antiserum was produced against synthesized phosphopeptide derived from human p38 alpha around the phosphorylation site of tyrosine 182 (T-G-YP-V-A).
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Immunohistochemistry 1:100-1:300, Immunohistochemistry-Paraffin 1:50-1:100

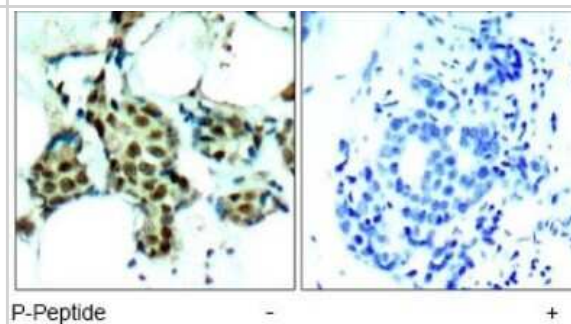


## Images

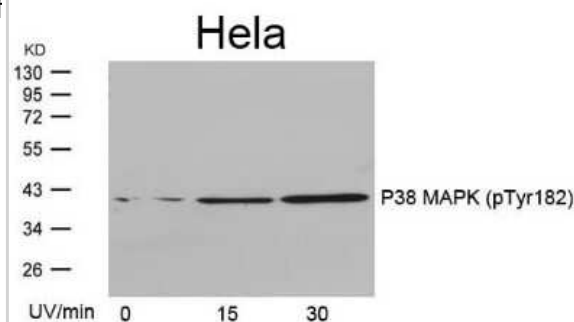
Western Blot: p38 alpha [p Tyr182] Antibody [NB100-82097] - Human breast cancer cell line MDA-MB-231 was treated with different doses of p38 inhibitor and the expression of phospho-p38 and total p38 were detected by Western blot. Image from verified customer review.



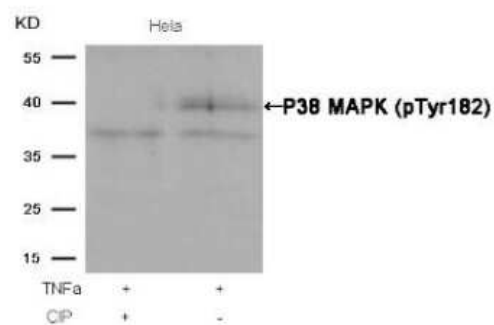
Immunohistochemistry-Paraffin: p38 alpha [p Tyr182] Antibody [NB100-82097] - Analysis of paraffin-embedded human breast carcinoma tissue, using NB100-82097 (left) or the same antibody preincubated with blocking peptide(right).



Western Blot: p38 alpha [p Tyr182] Antibody [NB100-82097] - Analysis of extracts from Hela cells untreated or treated with UV for the indicated times, using P38 MAPK (Phospho-Tyr182) antibody.



Western Blot: p38 alpha [p Tyr182] Antibody [NB100-82097] - Analysis of extracts from Hela cells, treated with TNFα or calf intestinal phosphatase (CIP).



## Publications

Cornell TT, Hinkovska-Galcheva V, Sun L et al. Ceramide-dependent PP2A regulation of TNFalpha-induced IL-8 production in respiratory epithelial cells. *Am J Physiol Lung Cell Mol Physiol*. 2009-05-01 [PMID: 19286927] (WB, Human)

Details:

WB (human alveolar epithelial cell line A549), Fig. 3A.





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### **Products Related to NB100-82097**

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NBL1-12873	p38 alpha Overexpression Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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