



HBP1 (phospho Ser402) Polyclonal Antibody

Catalog No	YP-Ab-01308
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	HBP1
Protein Name	HMG box-containing protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human HBP1 around the phosphorylation site of Ser402. AA range:371-420
Specificity	Phospho-HBP1 (S402) Polyclonal Antibody detects endogenous levels of HBP1 protein only when phosphorylated at S402.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HBP1; HMG box-containing protein 1; HMG box transcription factor 1; High mobility group box transcription factor 1
Observed Band	58kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Hepatoma,Uterus,
Function	function:Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTTCATTCA-3'. Binding to the H1FO promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.,similarity:Contains 1 AXH domain.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the second PAH repeat of SIN3A (By similarity). Binds TCF4 and RB1.,
Background	function:Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTTCATTCA-3'. Binding to the H1FO promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.,similarity:Contains 1 AXH domain.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the second PAH repeat of SIN3A (By



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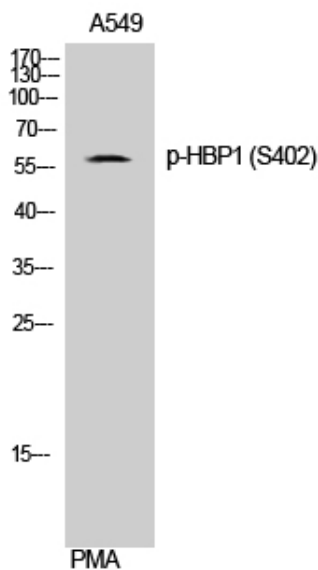
matters needing attention

Avoid repeated freezing and thawing!

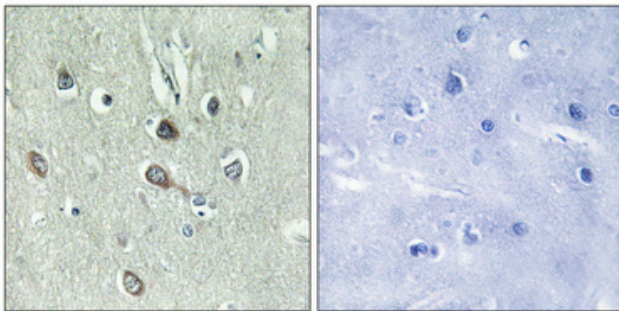
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

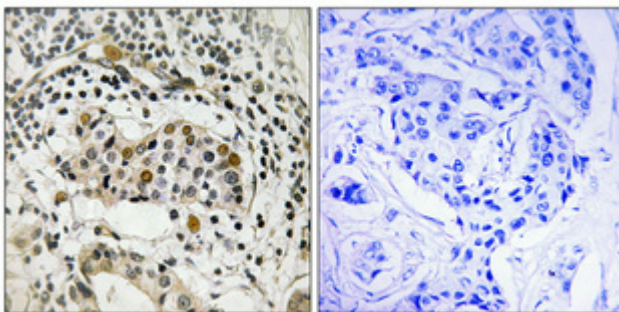
Products Images



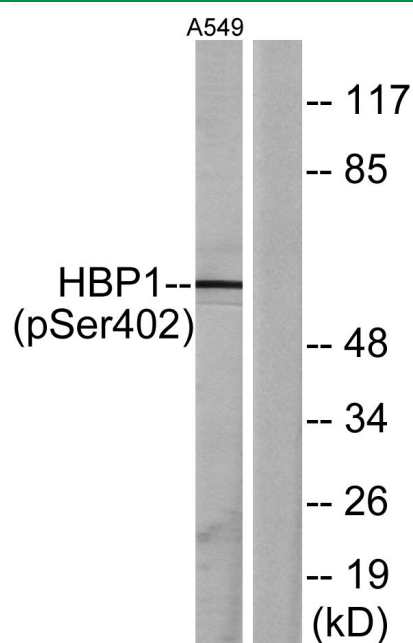
Western Blot analysis of A549 cells using Phospho-HBP1 (S402) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from A549 cells treated with PMA 125ng/ml 30', using HBP1 (Phospho-Ser402) Antibody. The lane on the right is blocked with the phospho peptide.