



HBP1 (phospho Ser402) rabbit pAb

Cat No.:ES5519

For research use only

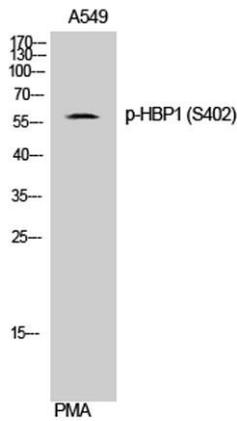
Overview

Product Name	HBP1 (phospho Ser402) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	HMG box-containing protein 1
Gene Name	HBP1
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	58kD
Human Gene ID	26959
Human Swiss-Prot Number	O60381
Alternative Names	HBP1; HMG box-containing protein 1; HMG box transcription factor 1; High mobility group box transcription factor 1
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.



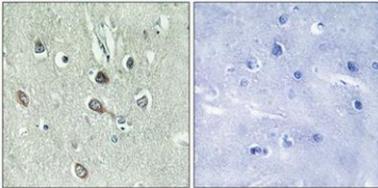


Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the H1FO promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.,similarity:Contains 1 AXH domain.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Binds the second PAH repeat of SIN3A (By similarity). Binds TCF4 and RB1.,

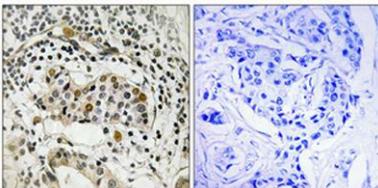


Western Blot analysis of A549 cells using Phospho-HBP1 (S402) Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

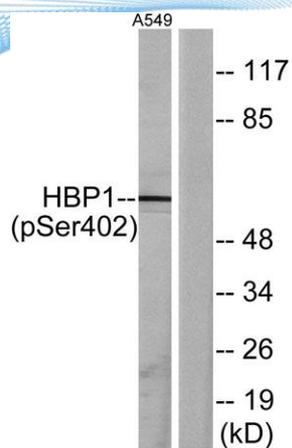


Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absor





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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.



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