

Rabbit HMG17 Polyclonal Antibody | anti-HMG17 antibody

Phospho-HMG17 (Ser29) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329660	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

HMG17; Polyclonal Antibody; Phospho-HMG17 (Ser29) Antibody; High mobility group (nonhistone chromosomal) protein 17; high mobility group nucleosomal binding domain 2; High mobility group nucleosome-binding domain-containing protein 2; High mobility group protein N2; HMGN2; HMGN2_HUMAN; MGC5629; Non histone chromosomal protein HMG 17; Non-histone chromosomal protein HMG-17; Nonhistone chromosomal protein HMG 17; nonhistone chromosomal protein hmg-17; anti-HMG17 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-HMG17 (Ser29) Antibody detects endogenous levels of HMG17 only when phosphorylated at Ser29.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HMG17 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HMG17 around the phosphorylation site of Ser29.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation favors cytoplasmic localization.
Similarity	Belongs to the HMGN family.
Subcellular Location	Nucleus. Cytoplasm. Note: Cytoplasmic enrichment upon phosphorylation.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Human gastric cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
Staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of HMG17 (Phospho-Ser29) using EGF treated NIH-3T3 whole cell lysates. +/- means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-HMG17 antibody	Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation (By similarity).
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031749
NCBI GeneID	3151
NCBI Accession #	NP_005508.1
NCBI GenBank Nucleotide #	NM_005517.3
UniProt Accession #	P05204; Q0VGD5; Q6FGI5; Q96C64
Molecular Weight	9,393 Da
NCBI Official Full Name	non-histone chromosomal protein HMG-17
NCBI Official Synonym Full Names	high mobility group nucleosomal binding domain 2
NCBI Official Symbol	HMGN2
NCBI Official Synonym Symbols	HMG17
NCBI Protein Information	non-histone chromosomal protein HMG-17; high mobility group protein N2; nonhistone chromosomal protein HMG-17; high-mobility group nucleosomal binding domain 2; high-mobility group (nonhistone chromosomal) protein 17; high mobility group nucleosome-bindin
UniProt Protein Name	Non-histone chromosomal protein HMG-17
UniProt Gene Name	HMGN2
UniProt Synonym Gene Names	HMG17
UniProt Entry Name	HMGN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

