

Rabbit anti-Human HMGB3 Polyclonal Antibody | anti-HMGB3 antibody

HMGB3 Antibody

CATALOG # AAA234068	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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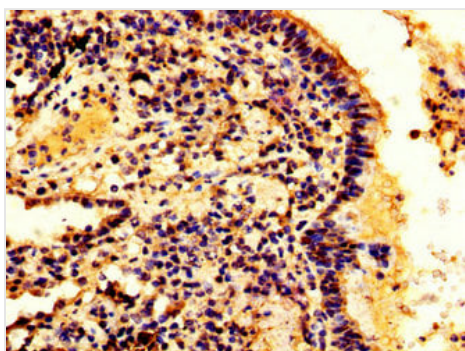
PRODUCT SYNONYMS

HMGB3; Polyclonal Antibody; HMGB3 Antibody; High mobility group protein B3; High mobility group protein 2a; HMG-2a; High mobility group protein 4; HMG-4; HMG2A; HMG4; anti-HMGB3 antibody

PRODUCT SPECIFICATIONS

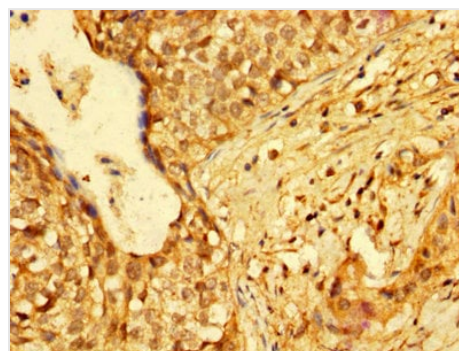
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	200
Applicable Applications for anti-HMGB3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human High mobility group protein B3 protein (1-103AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



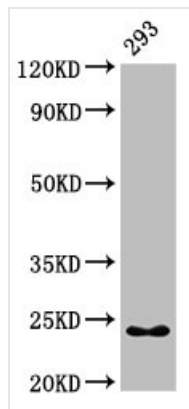
IHC (Immunohistochemistry)

IHC image of AAA234068 diluted at 1:300 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234068 diluted at 1:300 and staining in paraffin-embedded human cervical cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: 293 whole cell lysateAll lanes: HMGB3 antibody at 7ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 23 KDaObserved band size: 23 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-HMGB3 antibody	Multifunctional protein with various roles in different cellular compartments. May act in a redox sensitive manner. Associates with chromatin and binds DNA with a preference to non-canonical DNA structures such as single-stranded DNA. Can bent DNA and enhance DNA flexibility by looping thus providing a mechanism to promote activities on various gene promoters (By similarity). Proposed to be involved in the innate immune response to nucleic acids by acting as a cytoplasmic promiscuous immunogenic DNA/RNA sensor (By similarity). Negatively regulates B-cell and myeloid cell differentiation. In hematopoietic stem cells may regulate the balance between self-renewal and differentiation. Involved in negative regulation of canonical Wnt signaling (By similarity).
Product Categories/Family for anti-HMGB3 antibody	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	669033279
NCBI GeneID	3149
NCBI Accession #	NP_001288157.1
NCBI GenBank Nucleotide #	NM_001301228.1
UniProt Accession #	O15347; O95556; Q6NS40
Molecular Weight	22,980 Da
NCBI Official Full Name	high mobility group protein B3 isoform a
NCBI Official Synonym Full Names	high mobility group box 3
NCBI Official Symbol	HMGB3
NCBI Official Synonym Symbols	HMG4; HMG-4; HMG2A; HMG-2a
NCBI Protein Information	high mobility group protein B3
UniProt Protein Name	High mobility group protein B3
UniProt Gene Name	HMGB3
UniProt Synonym Gene Names	HMG2A; HMG4; HMG-2a; HMG-4

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.

