ARG64882
anti-HMGB3 / HMG4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HMGB3 / HMG4
Tested Reactivity	Hu
Predict Reactivity	Ms, Cow
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HMGB3 / HMG4
Species	Human
Immunogen	C-KFDGAKGPAKVARKK
Conjugation	Un-conjugated
Alternate Names	High mobility group protein 2a; HMG2A; HMG-2a; High mobility group protein B3; High mobility group protein 4; HMG4; HMG-4

Application Instructions

Application table

Application	Dilution
WB	0.01 - 0.03 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

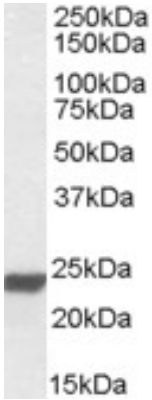
Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 3149 Human Swiss-port # O15347 Human
Background	HMGB3 belongs to the high mobility group (HMG) protein superfamily. Like HMG1 (MIM 163905) and HMG2 (MIM 163906), HMGB3 contains DNA-binding HMG box domains and is classified into the HMG box subfamily. Members of the HMG box subfamily are thought to play a fundamental role in DNA replication, nucleosome assembly and transcription (Wilke et al., 1997 [PubMed 9370291]; Nemeth et al., 2006 [PubMed 16945912]).[supplied by OMIM, Mar 2008]
Research Area	Gene Regulation antibody
Calculated Mw	23 kDa
PTM	Reduction/oxidation of cysteine residues Cys-23, Cys-45 and Cys-104 and a possible intramolecular disulfide bond involving Cys-23 and Cys-45 give rise to different redox forms with specific functional activities in various cellular compartments: 1- fully reduced HMGB3 (HMGB3C23hC45hC104h), 2-disulfide HMGB3 (HMGB3C23-C45C104h) and 3- sulfonyl HMGB3 (HMGB3C23soC45soC104so).

Images



ARG64882 anti-HMGB3 / HMG4 antibody WB image

Western Blot: Human Lung lysate (35 µg protein in RIPA buffer) stained with ARG64882 anti-HMGB3 / HMG4 antibody at 0.01 µg/ml dilution.