

HMGB1 (A164) polyclonal antibody

Catalog: BCP00889

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

High mobility group (HMG) proteins 1 and 2 are ubiquitous non-histone components of chromatin. Research suggests that the binding of HMG proteins to DNA induces alterations in the DNA architecture, including DNA bending and unwinding of the helix. HMG proteins synergize with Oct-2, ATF-2, c-Jun and members of the NFκB family to activate transcription. Additional studies indicate that phosphorylation of HMG protein is required to stimulate the transcriptional activity of the protein. Human HMG-1 and HMG-2 each contain two DNA-binding domains, termed HMG boxes. HMG proteins bind singlestranded DNA but induce conformational changes in double-stranded DNA alone.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 25 kDa

Swiss-Prot:

P09429

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

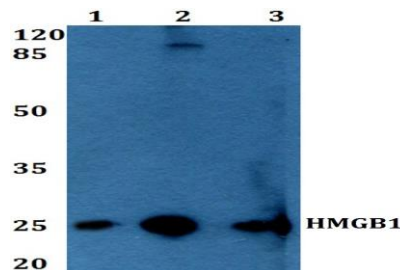
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

HMGB1 (A164) polyclonal antibody detects endogenous levels of HMGB1 protein.

DATA:



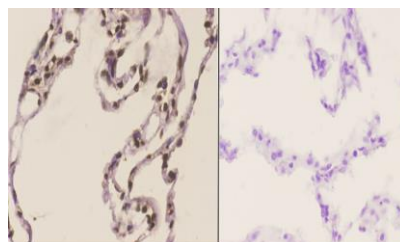
Western blot (WB) analysis of HMGB1 (A164) polyclonal antibody at 1:500 dilution

Lane1:H9C2 whole cell lysate(40ug)

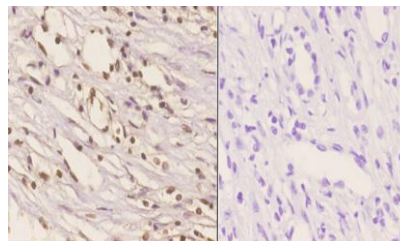
Lane2:CT26 whole cell lysate(40ug)

Lane3:Jurkat whole cell lysate(40ug)

Lane4:HL-60 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of HMGB1 (A164) pAb in paraffin-embedded human lung carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of HMGB1 (A164) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50. showing nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.