

Product datasheet for **TA377132**

HMG1 (HMGB1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Acetyl K29
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic acetylated peptide around K29 of human HMGB1.
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	24kDa
Gene Name:	high mobility group box 1
Database Link:	Entrez Gene 3146 Human P09429

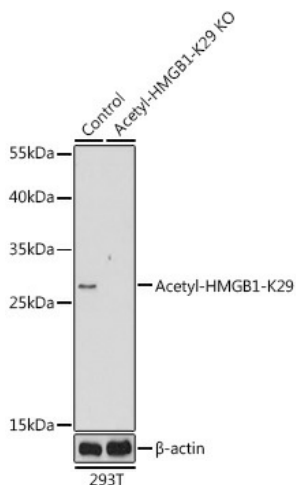
Background: This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein.



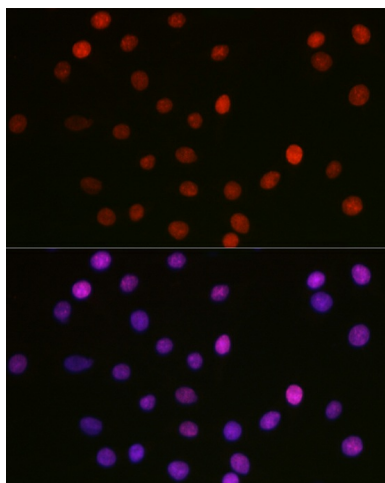
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Synonyms: Amphoterin; DKFZp686A04236; HMG-1; HMG1; HMG3; OTTHUMP00000018196; OTTHUMP00000190860; OTTHUMP00000200117; SBP-1

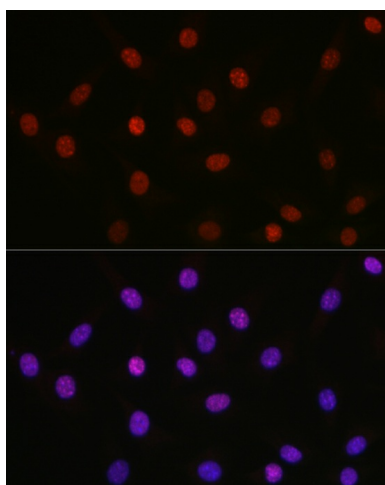
Product images:



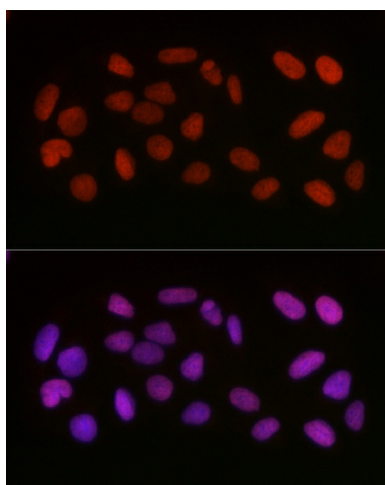
Western blot analysis of extracts from normal (control) and Acetyl-HMGB1-K29 knockout (KO) 293T cells, using Acetyl-HMGB1-K29 antibody (TA377132) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit . | Exposure time: 5min.



Immunofluorescence analysis of C6 cells using [KO Validated] Acetyl-HMGB1-K29 Rabbit pAb (TA377132) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using [KO Validated] Acetyl-HMGB1-K29 Rabbit pAb (TA377132) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using [KO Validated] Acetyl-HMGB1-K29 Rabbit pAb (TA377132) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.