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Datasheet for ABIN2838556

anti-HIST1H2AG antibody (AA 63-87)

1 Image

5 Publications

Overview

Quantity:	80 µL
Target:	HIST1H2AG
Binding Specificity:	AA 63-87
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H2AG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This HIST1H2AG antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 63-87 amino acids from the Central region of human HIST1H2AG.
Clone:	RB48738
Isotype:	Ig Fraction
Predicted Reactivity:	Rat, B, X, Y, C, Pr, Zf, D

Target Details

Target:	HIST1H2AG
Alternative Name:	HIST1H2AG (HIST1H2AG Products)
Background:	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting

Target Details

DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Molecular Weight: 14091

Gene ID: 8969

UniProt: [P0C0S8](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Storage: 4 °C, -20 °C

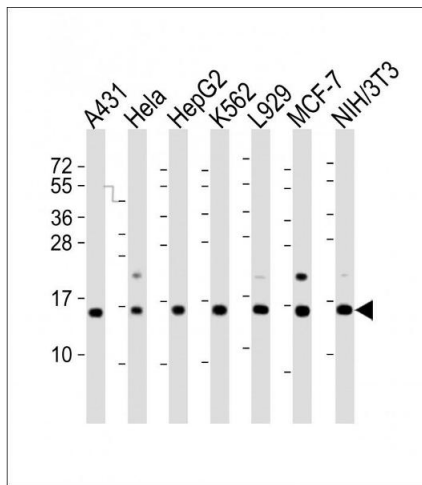
Expiry Date: 6 months

Publications

Product cited in: Bailey, Xie, Do, Montpetit, Diaz, Mohan, Keavney, Yusuf, Gerstein, Engert, Anand: "Variation at the NFATC2 locus increases the risk of thiazolidinedione-induced edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) study." in: **Diabetes Care**, Vol. 33, Issue 10, pp. 2250-3, (2010) ([PubMed](#)).

Ruaño, Thompson, Kane, Pullinger, Windemuth, Seip, Kocherla, Holford, Wu: "Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol?" in: **Pharmacogenomics**, Vol. 11, Issue 7, pp. 959-71, (2010) ([PubMed](#)).

Sugarbaker, Richards, Gordon, Dong, De Rienzo, Maulik, Glickman, Chirieac, Hartman, Taillon, Du, Bouffard, Kingsmore, Miller, Farmer, Jensen, Gullans, Bueno: "Transcriptome sequencing of malignant pleural mesothelioma tumors." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 105, Issue 9, pp. 3521-6, (2008) ([PubMed](#)).



Western Blotting

Image 1. All lanes : Anti-HIST1H2AG Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: K562 whole cell lysate Lane 5: whole cell lysate Lane 6: MCF-7 whole cell lysate Lane 7: NIH/3T3 whole cell lysate Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.