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Datasheet for ABIN6242675
anti-CREB3 antibody (C-Term)

2 Images

Overview

| | |
|----------------------|--------------------------------------|
| Quantity: | 80 µL |
| Target: | CREB3 |
| Binding Specificity: | AA 311-344, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CREB3 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|---------------|---|
| Immunogen: | This CREB3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 311-344 amino acids from the C-terminal region of human CREB3. |
| Clone: | RB50244 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---|
| Target: | CREB3 |
| Alternative Name: | CREB3 (CREB3 Products) |
| Background: | Endoplasmic reticulum (ER)-bound transcription factor that plays a role in the unfolded protein |

Target Details

response (UPR). Involved in cell proliferation and migration, tumor suppression and inflammatory gene expression. Plays also a role in the human immunodeficiency virus type 1 (HIV-1) virus protein expression and in the herpes simplex virus-1 (HSV-1) latent infection and reactivation from latency. Isoform 2 plays a role in the unfolded protein response (UPR). Isoform 2 acts as a positive regulator of LKN-1/CCL15-induced chemotaxis signaling of leukocyte cell migration. Isoform 2 may play a role as a cellular tumor suppressor that is targeted by the hepatitis C virus (HSV) core protein. Isoform 2 represses the VP16-mediated transactivation of immediate early genes of the HSV-1 virus by sequestering host cell factor-1 HCFC1 in the ER membrane of sensory neurons, thereby preventing the initiation of the replicative cascade leading to latent infection. Isoform 3 functions as a negative transcriptional regulator in ligand-induced transcriptional activation of the glucocorticoid receptor NR3C1 by recruiting and activating histone deacetylases (HDAC1, HDAC2 and HDAC6). Isoform 3 decreases the acetylation level of histone H4. Isoform 3 does not promote the chemotactic activity of leukocyte cells.

Molecular Weight: 41379

UniProt: [O43889](#)

Pathways: [Thyroid Hormone Synthesis](#), [Myometrial Relaxation and Contraction](#), [ER-Nucleus Signaling](#), [Maintenance of Protein Location](#), [Unfolded Protein Response](#)

Application Details

Application Notes: WB: 1:8000. WB: 1:8000

Restrictions: For Research Use only

Handling

Format: Liquid

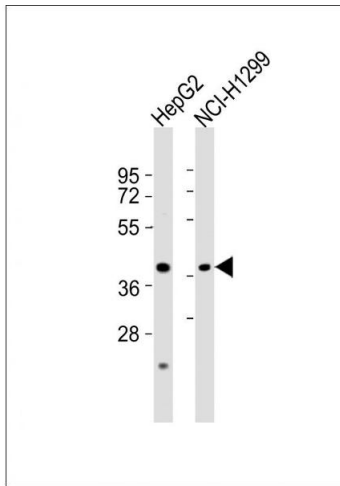
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

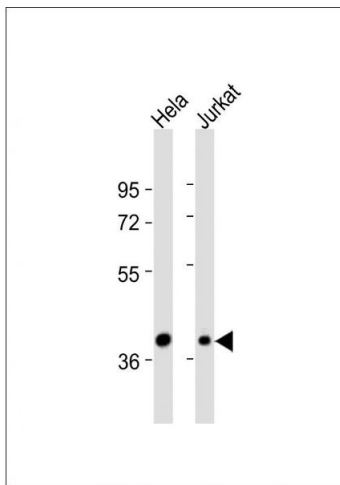
Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-CREB3 Antibody (C-term) at 1:8000 dilution Lane 1: HepG2 whole cell lysates Lane 2: NCI- whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 44 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



Western Blotting

Image 2. All lanes : Anti-CREB3 Antibody (C-term) at 1:8000 dilution Lane 1: HeLa whole cell lysates Lane 2: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 44 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.