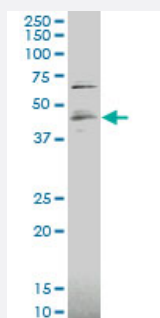


RUNX3 polyclonal antibody (A01)

Catalog # H00000864-A01

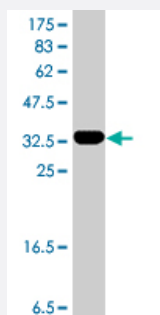
Size 50 uL

Applications



Western Blot (Cell lysate)

RUNX3 polyclonal antibody (A01), Lot # 070226JCSa Western Blot analysis of RUNX3 expression in HepG2 (Cat # L019V1).



Western Blot detection against Immunogen (35.57 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant RUNX3.
Immunogen	RUNX3 (NP_004341, 194 a.a. ~ 279 a.a) partial recombinant protein with GST tag.
Sequence	FPDRFGDLERLRMRVTPSTSPRGSLSTTSHFSSQPQTPIQGTSELNPFSDPRQFDRSFPTLPTL TESRFPDPRMHYPGAMSAAFP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (88)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.57 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RUNX3 polyclonal antibody (A01), Lot # 070226JCSa Western Blot analysis of RUNX3 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — RUNX3

Entrez GeneID

[864](#)

GeneBank Accession#

[NM_004350](#)

Protein Accession#

[NP_004341](#)

Gene Name

RUNX3

Gene Alias

AML2, CBFA3, FLJ34510, MGC16070, PEBP2aC

Gene Description

runt-related transcription factor 3

Omim ID

[600210](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000003370|OTTHUMP00000003371|PEA2 alpha C|PEBP2 alpha C|acute myeloid leukemia gene 2|core-binding factor, runt domain, alpha subunit 3|polyomavirus enhancer-binding protein 2 alpha C subunit|transcription factor AML2

Publication Reference

- [RORβ Spinal Interneurons Gate Sensory Transmission during Locomotion to Secure a Fluid Walking Gait.](#)
Koch SC, Del Barrio MG, Dalet A, Gatto G, Günther T, Zhang J, Seidler B, Saur D, Schüle R, Goulding M.
Neuron 2017 Dec; 96(6):1419.
Application: IF, IHC-Fr, Mouse, Mouse dorsal root ganglia, Mouse spinal cords
- [Co-expression of Runx1 and Runx3 in mechanoreceptive neurons in dorsal root ganglion.](#)
Yoshikawa M, Murakami Y, Senzaki K, Masuda T, Ozaki S, Ito Y, Shiga T.
Developmental Neurobiology 2013 Jun; 73(6):469.
Application: IHC-Fr, Mouse, Mouse embryos
- [Brn3a/Pou4f1 regulates dorsal root ganglion sensory neuron specification and axonal projection into the spinal cord.](#)
Zou M, Li S, Klein WH, Xiang M.
Developmental Biology 2012 Apr; 364(2):114.
Application: IF, Mouse, Dorsal root ganglia
- [Runx3 is required for the specification of TrkC-expressing mechanoreceptive trigeminal ganglion neurons.](#)
Senzaki K, Ozaki S, Yoshikawa M, Ito Y, Shiga T.
Molecular and Cellular Neurosciences 2010 Mar; 43(3):296.
Application: IF, IHC, Mouse, Mouse sagittal sections
- [Expression of Sema3D in subsets of neurons in the developing dorsal root ganglia of the rat.](#)
Takahashi K, Ishida M, Takahashi H.
Neuroscience Letters 2009 May; 455(1):17.
Application: IF, IHC-Fr, Rat, Rat dorsal root ganglia
- [Dynamic regulation of the expression of neurotrophin receptors by Runx3.](#)
Nakamura S, Senzaki K, Yoshikawa M, Nishimura M, Inoue K, Ito Y, Ozaki S, Shiga T.
Development 2008 Apr; 135(9):1703.
Application: IF, IHC-Fr, Mouse, Mouse embryo

Disease

- [Celiac Disease](#)
- [Colitis](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Intestinal Neoplasms](#)
- [Keloid](#)
- [Narcolepsy](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)