

Product Name: KD-Validated Growth Differentiation Factor 3 Recombinant Rabbit Monoclonal Antibody

Catalog #: KVAAb01760

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 41.4kDa

Antigen Information

Gene Name	GDF3
Alternative Names	GDF3; Growth Differentiation Factor 3; Growth/Differentiation Factor 3; MCOPCB6; MCOP7; GDF-3; KFS3
Gene ID	9573.0
SwissProt ID	Q9NR23
Immunogen	A synthesized peptide derived from human GDF3

Background

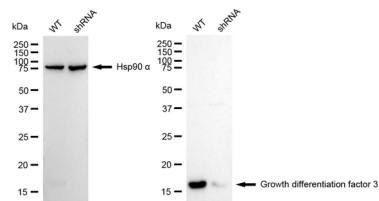
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate

gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein plays a role ocular and skeletal development. Mutations in this gene are associated with microphthalmia, coloboma, and skeletal abnormalities in human patients. [provided by RefSeq, Aug 2016]

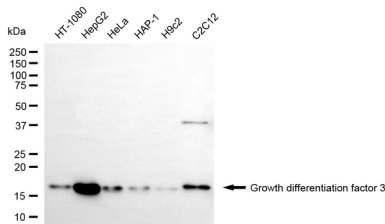
Research Area

Signal Transduction, Stem Cells

Image Data



Western blotting analysis using growth differentiation factor 3 antibody (KVA01760). Growth differentiation factor 3 expression in wild type (WT) and growth differentiation factor 3 (GDF3) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with growth differentiation factor 3 antibody (KVA01760, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using growth differentiation factor 3 antibody (KVA01760). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with growth differentiation factor 3 antibody (KVA01760, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.