ARG63820
anti-GDF15 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GDF15
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GDF15
Species	Human
Immunogen	C-QKTDTGVSLQTYDD
Conjugation	Un-conjugated
Alternate Names	Growth/differentiation factor 15; GDF-15; Placental TGF-beta; NAG-1; Macrophage inhibitory cytokine 1; MIC1; NSAID-activated gene 1 protein; PTGFB; NRG-1; MIC-1; PLAB; NSAID-regulated gene 1 protein; PDF; Prostate differentiation factor; Placental bone morphogenetic protein

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
IHC-P	5 µg/ml
WB	0.1 - 0.3 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

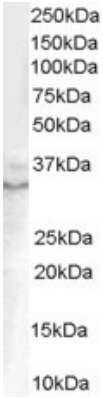
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

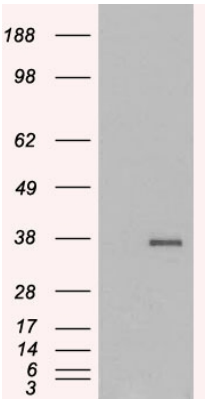
Database links	GeneID: 9518 Human Swiss-port # Q99988 Human
Background	Bone morphogenetic proteins (e.g., BMP9; MIM 605120) are members of the transforming growth factor-beta (see TGFB1; MIM 190180) superfamily and regulate tissue differentiation and maintenance. They are synthesized as precursor molecules that are processed at a dibasic cleavage site to release C-terminal domains containing a characteristic motif of 7 conserved cysteines in the mature protein.[supplied by OMIM, Oct 2009]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	34 kDa

Images



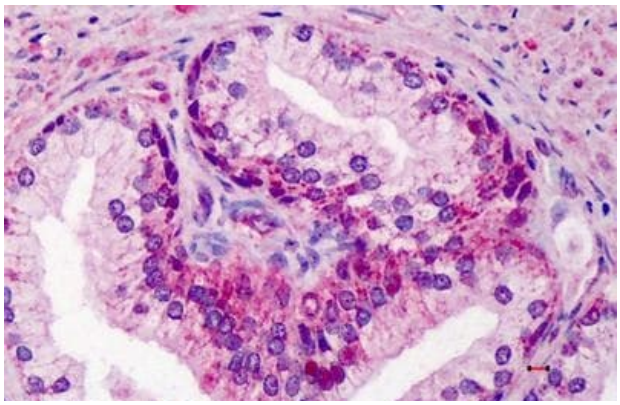
ARG63820 anti-GDF15 antibody WB image

Western Blot: Human Prostate lysate (35 µg protein in RIPA buffer) stained with ARG63820 anti-GDF15 antibody at 0.1 µg/ml dilution.



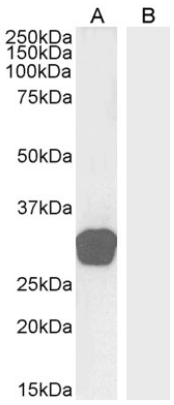
ARG63820 anti-GDF15 antibody WB image

Western Blot: 1). Mock transfection; 2) GDF15 (RC201295) expressing plasmid transfected HEK293 cell lysate standed with ARG63820 anti-GDF15 antibody



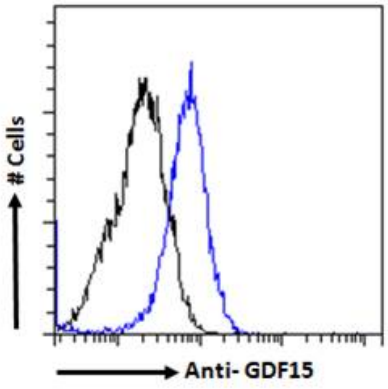
ARG63820 anti-GDF15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63820 anti-GDF15 antibody at 5 µg/ml dilution followed by AP-staining.



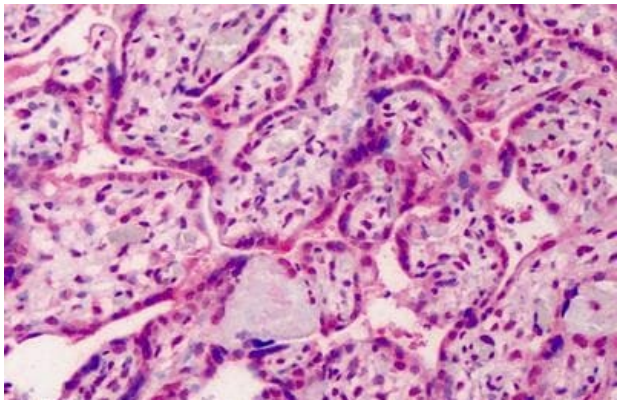
ARG63820 anti-GDF15 antibody WB image

Western blot: 35 µg of Human testis (A) and Human skin (B, negative control) lysates (in RIPA buffer) stained with ARG63820 anti-GDF15 antibody at 0.3 µg/ml dilution and incubated at RT for 1 hour.



ARG63820 anti-GDF15 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG63820 anti-GDF15 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63820 anti-GDF15 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63820 anti-GDF15 antibody at 5 µg/ml dilution followed by AP-staining.