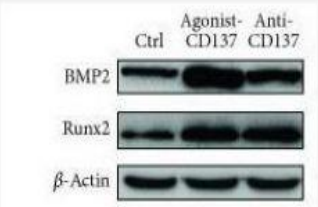
PRODUCT DATA SHEET

RUNX2 Polyclonal Antibody

Catalog No.	IPB0068
Reactivity	Human; Mouse; Rat
Applications	IF/ICC; WB; ELISA
Dilution	IF: 1:50-200 WB: 1:500-1:2000 ELISA: 1:20000
Gene Name	RUNX2
Protein Name	Runt-related transcription factor 2
Human Gene Id	860
Swiss-Prot	Q13950
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	Nucleus
MW	56648
Background	This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex Two regions of potential trinucleotide repeat expansions are present in the N-terminal region of the encoded protein, and these and other mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD) Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing

Products Images:



Chen, Rui, et al. "Activation of CD137 Signaling Enhances Vascular Calcification through c-Jun N-Terminal Kinase-Dependent Disruption of Autophagic Flux." Mediators of inflammation 2018 (2018).

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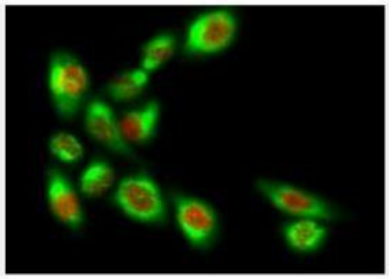
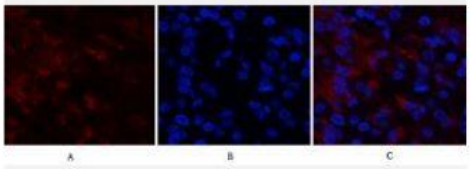
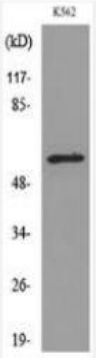


Immunofluorescence analysis of Hela cell. 1,RUNX2 Polyclonal Antibody(red) was diluted at 1:200(4° overnight). NSE Monoclonal Antibody(13E2)(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000(room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000(room temperature, 50min).



Immunofluorescence analysis of human-stomach tissue. 1,RUNX2 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Western blot analysis of lysate from K562 cells, using RUNX2 Antibody.