Datasheet for ABIN614560

anti-RUNX2 antibody (AA 251-351)

4 Images

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Overview

Quantity:	50 µg
Target:	RUNX2
Binding Specificity:	AA 251-351
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RUNX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Partial Recombinant RUNX2 (NP_004339, 251 a.a. ~ 351 a.a) protein with GST tag.
Clone:	1D2
Isotype:	IgG2a
Specificity:	Recognizes Runt-related Transcription Factor 2 (RUNX2).
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Protein A Chromatography

Target Details

Target:	RUNX2

Target Details

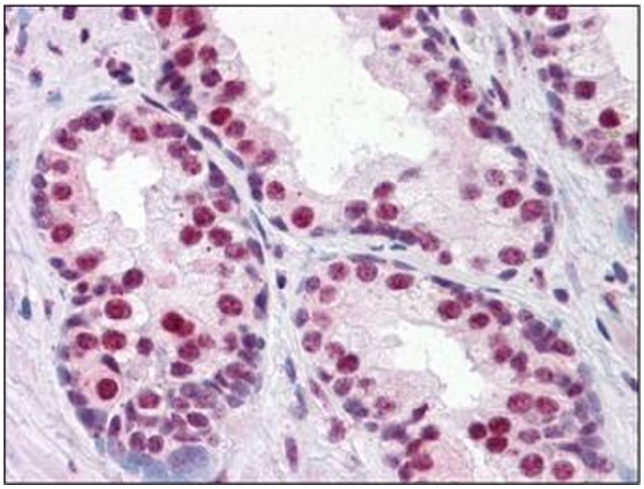
Alternative Name:	RUNX2 (RUNX2 Products)
Background:	RUNX family members are DNA-binding proteins that regulate the expression of genes involved in cellular differentiation and cell cycle progression. RUNX2 is essential for skeletal mineralization in that it stimulates osteoblast differentiation of mesenchymal stem cells, promotes chondrocyte hypertrophy and contributes to endothelial cell migration and vascular invasion of developing bones. Regulating RUNX2 expression may be a useful therapeutic tool for promoting bone formation. Mutations in the C-terminus of RUNX2 are associated with cleidocranial dysplasia syndrome, an autosomal-dominant skeletal dysplasia syndrome that is characterized by widely patent calvarial sutures, clavicular hypoplasia, supernumerary teeth, and short stature.Synonyms: AML-3, AML3, Acute myeloid leukemia 3 protein, CBFA1, Core-binding factor subunit alpha-1, OSF-2, OSF2, Osteoblast-specific transcription factor 2, PEA2-alpha A, PEBP2-alpha A, PEBP2A, Polyomavirus enhancer-binding protein 2 alpha A subunit, Runt-related transcription factor 2, SL3-3 enhancer factor 1 alpha A subunit, SL3/AKV core-binding factor alpha A subunit
Gene ID:	860
NCBI Accession:	NP_001015051
UniProt:	Q13950

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

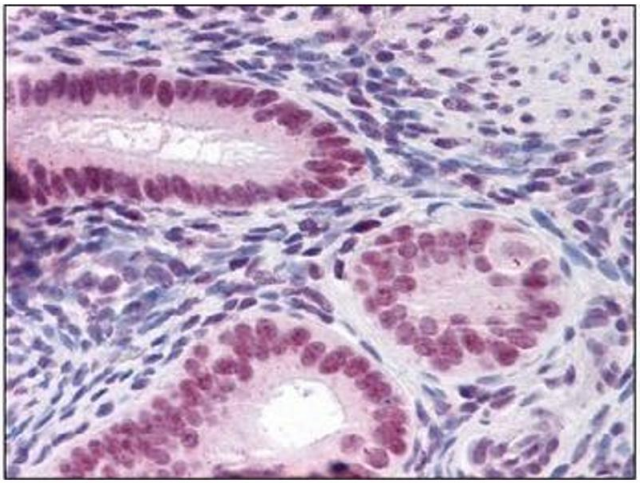
Handling

Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody (in aliquots) at -20 °C.



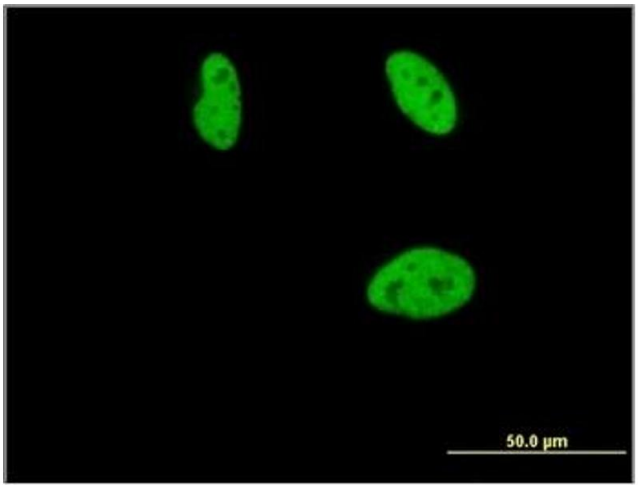
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2.



Immunofluorescence

Image 3.

Please check the product details page for more images. Overall 4 images are available for ABIN614560.