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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

RUNX2 monoclonal antibody (M06), clone 3F5

Catalog # : H00000860-M06

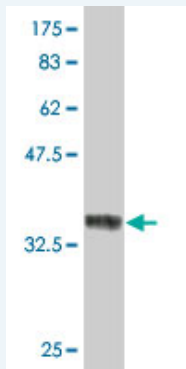
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant RUNX2.
Immunogen:	RUNX2 (NP_004339, 251 a.a. ~ 350 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	NPRPSLNSAPSPFNPQGGSQITDPRQAQSSPPWSYDQSYPSYLSQMTS PSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLWPSTLSKKSQA GA
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

MSDS: [Download](#)

Datasheet: [Download](#)

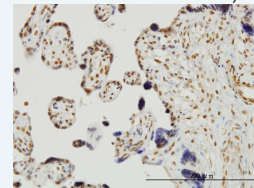
Publication Reference

1. [Transcription factor Runx2 is a regulator of epithelial-mesenchymal transition and invasion in thyroid carcinomas.](#)
Niu DF, Kondo T, Nakazawa T, Oishi N, Kawasaki T, Mochizuki K, Yamane T, Katoh R. *Lab Invest.* 2012 May 28. doi: 10.1038/labinvest.2012.84.
2. [Aggregatibacter actinomycetemcomitans lipopolysaccharide regulates bone sialoprotein gene transcription.](#)
Li X, Zhou L, Takai H, Sasaki Y, Mezawa M, Li Z, Wang Z, Yang L, Wang S, Matsumura H, Kaneko T, Yoshimura A, Ogata Y. *J Cell Biochem.* 2012 Apr 10. doi: 10.1002/jcb.24157.

Application Image

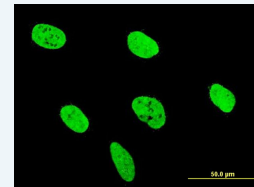
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



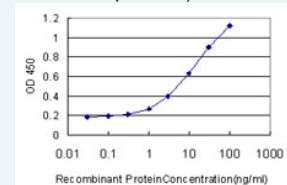
[enlarge](#)

Immunofluorescence



[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

3. cAMP and fibroblast growth factor 2 regulate bone sialoprotein gene expression in human prostate cancer cells.

Li Z, Sasaki Y, Mezawa M, Wang S, Li X, Yang L, Wang Z, Zhou L, Araki S, Matsumura H, Takai H, Ogata Y. *Gene*. 2010 Oct 19. [Epub ahead of print]

4. Effects of Inorganic Polyphosphate on Bone Sialoprotein Gene Expression.

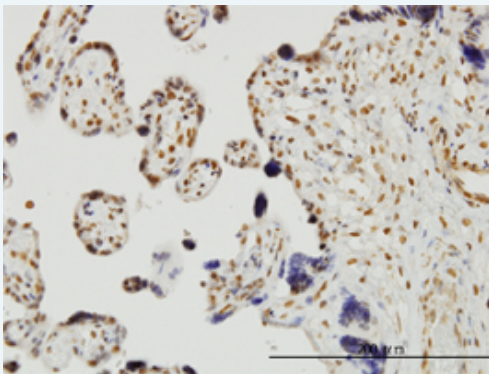
Wang Z, Li X, Li Z, Yang L, Sasaki Y, Wang S, Zhou L, Araki S, Mezawa M, Takai H, Ogata Y. *Gene*. 2010 Jan 6. [Epub ahead of print]


Applications

Western Blot (Recombinant protein)

 [Protocol Download](#)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

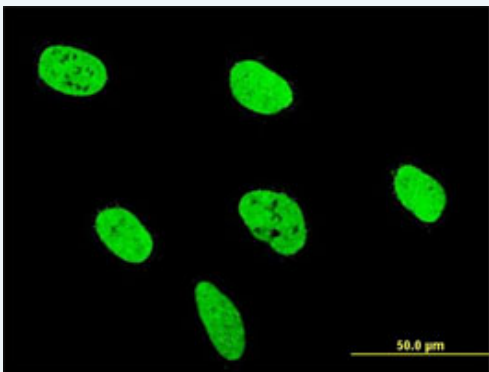



 enlarge this image

Immunoperoxidase of monoclonal antibody to RUNX2 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

 [Protocol Download](#)

Immunofluorescence

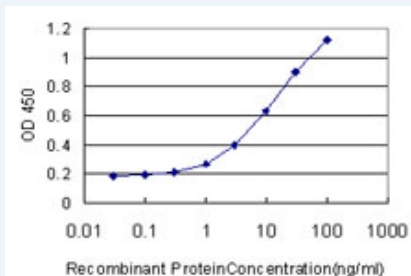


 enlarge this image

Immunofluorescence of monoclonal antibody to RUNX2 on U-2 OS cell . [antibody concentration 10 ug/ml]

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged RUNX2 is approximately 0.1ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [860](#)

GeneBank [NM_004348](#)
Accession#:

Protein [NP_004339](#)
Accession#:

Gene Name: RUNX2

Gene Alias: AML3,CBFA1,CCD,CCD1,MGC120022,MGC120023,OSF2,PEA2aA,PEBP2A1,PEBP2A2,PEBP2aA,PEBP2aA1

Gene Description: runt-related transcription factor 2

Omim ID: [119600](#), [600211](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. 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. [provided by RefSeq]

Other Designations: CBF-alpha 1,OTTHUMP00000016533,SL3-3 enhancer factor 1 alpha A subunit,SL3/AKV core-binding factor alpha A subunit,acute myeloid leukemia 3 protein,core-binding factor, runt domain, alpha subunit 1,osteoblast-specific transcription factor 2,polyomavirus e

Related Disease

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