

Recombinant

DGRmAb®

BMP4 (DGR15418) Rabbit mAb (PBS Only)

db12985-PBS

Package : 10µg 100µg

Product Name : BMP4 (DGR15418) Rabbit mAb (PBS Only)**Cat.No.:** db12985-PBS**Synonyms** : ZYME; BMP2B; OFC11; BMP2B1; MCOPS6**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**Host species** : Rabbit**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 regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers. [provided by RefSeq, Jul 2016]

Immunogen

A synthetic peptide of human BMP4

Gene ID

652

Swiss Prot

P12644

Synonyms

ZYME; BMP2B; OFC11; BMP2B1; MCOPS6

Reactivity

Human

Application

WB, IHC-P, ICC/IF, FC, IP

Calculated MW

47 kDa

Observed MW

47 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR15418

Isotype

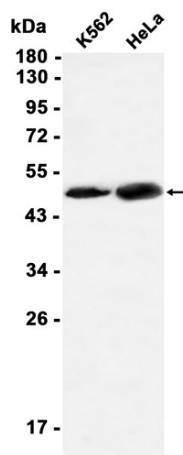
IgG

Purity

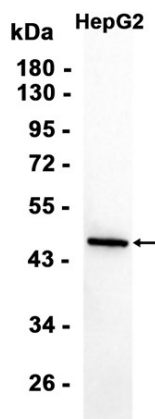
Affinity Purification

Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

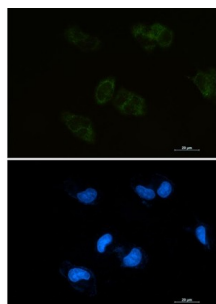
Western blot analysis of extracts from K562, HeLa cells using [db12985](#) at 1:1000.

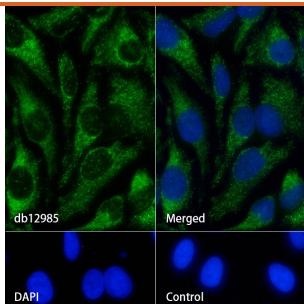


Western blot analysis of extracts from HepG2 cells using [db12985](#) at 1:5000.



Immunofluorescent analysis of HepG2 cells using [db12985](#) antibody (green), and DAPI (blue).





Immunofluorescence analysis of HeLa cells labelling BMP4 with [db12985](#).

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db12985](#) (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.