

## **Product datasheet for TA363340**

## Troduct datastreet for TA30334

## **Olfm2 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Reactivity: Mouse Host: Rabbit

Clonality: Polyclonal

**Immunogen:** The immunogen is a synthetic peptide directed towards the C terminal region of mouse

OLFM2

**Specificity: Expected reactivity**: Mouse

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

**Storage:** For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

**Stability:** Shelf life: one year from despatch.

**Predicted Protein Size:** 51 kDa

Gene Name: olfactomedin 2

Database Link: NP 776138.2

Entrez Gene 244723 Mouse

Q8BM13



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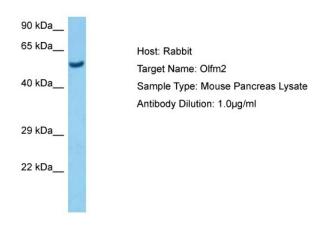
Background:

Involved in transforming growth factor beta (TGF-beta)-induced smooth muscle differentiation (By similarity). TGF-beta induces expression and nuclear translocation of OLFM2 where it binds to SRF, causing its dissociation from the transcriptional repressor HEY2/HERP1 and facilitating binding of SRF to target genes (By similarity). Plays a role in AMPAR complex organization. Is a regulator of vascular smooth-muscle cell (SMC) phenotypic switching, that acts by promoting RUNX2 and inhibiting MYOCD binding to SRF. SMC phenotypic switching is the process through which vascular SMCs undergo transition between a quiescent contractile phenotype and a proliferative synthetic phenotype in response to pathological stimuli. SMC phenotypic plasticity is essential for vascular development and remodeling (By similarity).

Synonyms:

NOE2; NOELIN2; NOELIN2\_V1; Olfactomedin-2; OlfC

## **Product images:**



Host: Rabbit Target Name: OLFM2

Sample Tissue: Mouse Pancreas lysates

Antibody Dilution: 1ug/ml