OSR2 (F118) polyclonal antibody

Catalog: BS9252 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

OSR (odd-skipped related) proteins belong to the odd C2H2-type zinc-finger protein family and are involved in embryonic development and bone formation. OSR2 (odd-skipped related 2) is a 312 amino acid protein that contains five zinc-finger domains. It is expressed in the kidneys, skeletal muscle, testis and mouse embryos and may be involved in transcriptional activity and osteoblast function. The expression of OSR2 is regulated by C/EBP regulatory elements. OSR2 plays a role in regulating palatal development and expression of alkaline phosphatase. Two isoforms, OSR2A and OSR2B, are produced due to alternative splicing. OSR2B is 36 amino acids shorter than OSR2A and contains only three zinc-finger motifs. Both isoforms localize to the nucleus and are thought to exhibit opposite transcriptional activities. Mutations in the gene encoding OSR2 can alter the gene expression of Pax-9 and TGFβ3.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 36 kDa

Swiss-Prot:

Q8N2R0

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

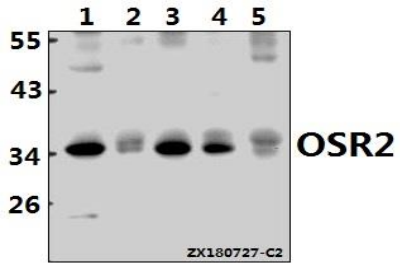
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

OSR2 (F118) polyclonal antibody detects endogenous levels of OSR2 protein.

DATA:



Western blot (WB) analysis of OSR2 polyclonal antibody at 1:1000 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:CT26 whole cell lysate(20ug)

Lane3:A375 whole cell lysate(40ug)

Lane4:MCF-7 whole cell lysate(40ug)

Lane5:C6 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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