



SFRP3 Monoclonal Antibody

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| Catalog No | YP-mAb-06120 |
| Isotype | IgG |
| Reactivity | Human;Mouse |
| Applications | WB |
| Gene Name | FRZB FIZ FRE FRP FRZB1 SFRP3 |
| Protein Name | Secreted frizzled-related protein 3 (sFRP-3) (Frezzed) (Fritz) (Frizzled-related protein 1) (FrzB-1) |
| Immunogen | Synthesized peptide derived from human protein . at AA range: 150-230 |
| Specificity | SFRP3 Monoclonal Antibody detects endogenous levels of protein. |
| Formulation | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| Source | Monoclonal, Mouse,IgG |
| Purification | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-1:2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | 35kD |
| Cell Pathway | Secreted . |
| Tissue Specificity | Expressed primarily in the cartilaginous cores of the long bone during embryonic and fetal development and in the appendicular skeleton (6-13 weeks). At 13 weeks of gestation, transcripts were present in early chondroblasts of the tarsal bones of the foot, the carpal bones of the hands and the epiphysis of long bones. Highly expressed in placenta and heart, followed by brain, skeletal muscle, kidney and pancreas. Weakly expressed in lung and liver. |
| Function | disease:Defects in FRZB are associated with female-specific osteoarthritis (OA) susceptibility [MIM:165720]. It is the most prevalent form of arthritis and a common cause of disability.,domain:The FZ domain is involved in binding with Wnt ligands.,function:Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP3/FRZB appears to be involved in limb skeletogenesis. Antagonist of Wnt8 signaling. Regulates chondrocyte maturation and long bone development.,similarity:Belongs to the secreted frizzled-related protein (sFRP) family.,similarity:Contains 1 FZ (frizzled) domain.,similarity:Contains 1 NTR domain.,tissue specificity:Expressed primarily in the cartilaginous cores of the long bone during embryonic and fetal |



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Background

The protein encoded by this gene is a secreted protein that is involved in the regulation of bone development. Defects in this gene are a cause of female-specific osteoarthritis (OA) susceptibility. [provided by RefSeq, Apr 2010],

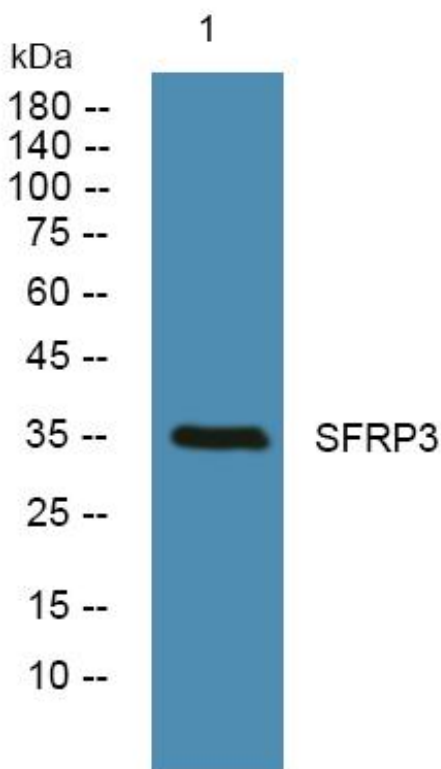
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SFRP3 Monoclonal Antibody