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11-7512: Polyclonal Antibody to SPARC/Osteonectin

Clonality: Polyclonal

Application: WB Reactivity: Human Gene: SPARC Gene ID: 6678 **Uniprot ID:** P09486 Format: Purified SPARC, ON **Alternative Name:** Rabbit IgG Isotype:

Immunogen Information: A partial length recombinant SPARC/Osteonectin protein (amino acids 52-268) was used as

the immunogen for this antibody.

Description

SPARC (Secreted protein, acidic, cysteine-rich) is a glycoprotein that binds to collagen type I and other proteins in the extracellular matrix. It is involved in normal tissue remodeling as it regulates the deposition of extracellular matrix, and also plays a role in neoplastic transformation. It modulates interactions between tumoral cells and the peri-tumoral stroma. Homozygous mutations in SPARC give rise to severe bone fragility in humans. SPARC negatively regulates glucose metabolism in hepatocellular carcinoma (HCC). Overexpression of SPARC inhibited glucose uptake and lactate product through downregulation of key enzymes of glucose metabolism.

Product Info

Amount : $25 \mu g / 100 \mu g$

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition : Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 ̸µg/ml

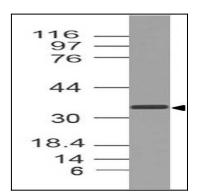


Fig-1: Expression analysis SPARC. Anti-SPARC antibody (11-7512) was used at 2 μ g/ml on U87 lysate.