

11-7512: Polyclonal Antibody to SPARC/Osteonectin

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	SPARC
Gene ID :	6678
Uniprot ID :	P09486
Format :	Purified
Alternative Name :	SPARC,ON
Isotype :	Rabbit IgG
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 µg / 100 µg
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

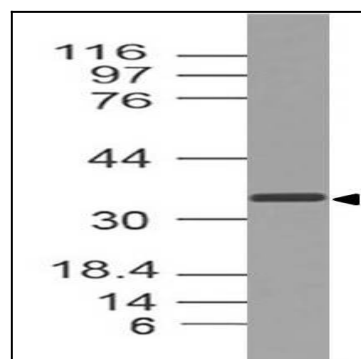


Fig-1: Expression analysis SPARC. Anti-SPARC antibody (11-7512) was used at 2 µg/ml on U87 lysate.