

CoraLite® Plus 488-conjugated PEDF

Monoclonal antibody

Catalog Number: **CL488-66554**

Basic Information

Catalog Number: CL488-66554	GenBank Accession Number: BC013984	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5176	CloneNo.: 2C5C8
Source: Mouse	UNIPROT ID: P36955	Recommended Dilutions: WB 1:500-1:1000
Isotype: IgG1	Full Name: serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG26660	Calculated MW: 418 aa, 46 kDa	
	Observed MW: 46-50 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : pig plasma, human plasma
Species Specificity: Human, pig	

Background Information

PEDF also known as serpin F1 (SERPINF1), is a multifunctional secreted protein that has anti-angiogenic, anti-tumorigenic, and neurotrophic functions. It is an approximately 50-kDa secreted protein that is widely expressed, including by osteoblasts and osteoclasts. PEDF is also one of the most abundant secretory products of adipocytes, and circulating concentrations of PEDF correlate positively with body fat mass and INS resistance. PEDF is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

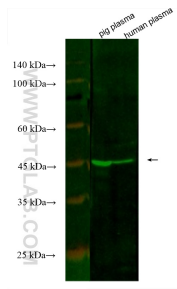
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-66554 (PEDF antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.