

**German Research Products - GRP GmbH** In der Stockwiese 26 D-85410 Haag/Amper, Germany Email: info@grp-ak.de Phone: +49 (0)8167 6335

## **Product Datasheet**

## **SREBP-1/2 Polyclonal Antibody GRP393**

Description	Transcriptional activator required for lipid homeostasis. Regulates transcription of the LDL receptor gene as well as the fatty acid and to a lesser degree the cholesterol synthesis pathway. Binds to the sterol regulatory element 1 (SRE-1) (5'-ATCACCCCAC-3'). Has dual sequence specificity binding to both an E-box motif (5'-ATCACGTGA-3') and to SRE-1 (5'-ATCACCCCAC-3'). Isoform SREBP-1A is much more active than isoform SREBP-1C in stimulating transcription from SRE-1-containing promoters. [SUBUNIT] Forms a tight complex with SCAP in the ER membrane. Efficient DNA binding of the soluble transcription factor fragment requires dimerization with another bHLH protein. Interacts with LMNA. [SUBCELLULAR LOCATION] Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cytoplasmic vesicle, COPII-coated vesicle membrane; Multi-pass membrane protein. Note=Moves from the endoplasmic reticulum to the Golgi in the absence of sterols. [SUBCELLULAR LOCATION] Processed sterol regulatory element-binding protein 1: Nucleus. Belongs to the SREBP family.	
Species/Host	Rabbit	
Reactivity	Human, Mouse, Rat	180 — 135 —
Conjugation	Unconjugated	75 — 63 —
Tested Applications	IHC-P, WB	48 — 35 — WB of GRP393
Immunogen	KLH conjugated synthetic peptide derived from human SREBP-1 (public_immunogen_range: 300-350/1147)	
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.	
Concentration	1ug/ul	
Storage	Store at -20°C for 12 months.	IHC-P of GRP393
Note	For research use only.	
Isotype	lgG	
Clonality	Polyclonal	
Purity	Purified by Protein A.	
Entrez	6720, 6721	
Dilution Range	WB: 1:300-1000, IHC-P: 1:200-400	