

SREBP2 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone SREBP2/1580]

Catalog No	Format	Size
6721-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6721-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6721-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

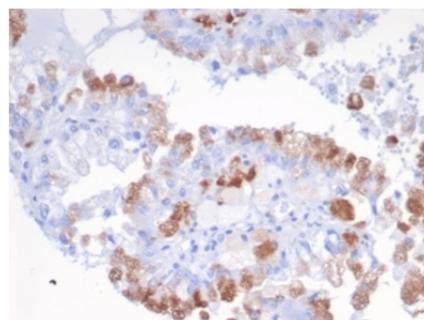
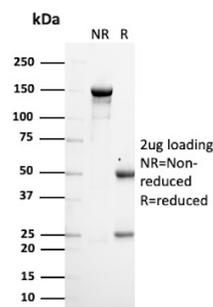
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	SREBP2/1580
Gene Name	SREBF2
Immunogen	Recombinant full-length human SREBF2protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	68/125kDa
Cellular Localization	COPII-coated vesicle membrane, Cytoplasmic vesicle, Endoplasmic reticulum membrane, Golgi apparatus membrane, Nucleus
Species Reactivity	Human
Positive Control	Ubiquitous expression in adult and fetal tissues.

*Optimal dilution for a specific application should be determined.

Product Images for SREBP2 (Transcription Factor) Antibody



SDS-PAGE Analysis of Purified Sterol regulatory element-binding protein 2 Mouse Monoclonal Antibody (SREBP2/1580). Confirmation of Purity and Integrity of Antibody.

IHC analysis of formalin-fixed, paraffin-embedded human Renal carcinoma. Stained using SREBP2/1580 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

The low density lipoprotein (LDL) receptor mediates the endocytic uptake of cholesterol-carrying lipoproteins, thereby controlling cholesterol levels in cells and plasma. Transcription of the LDL receptor gene is controlled by a ten base pair sequence in the 5' flanking region, designated sterol regulatory element 1 (SRE-1). When cellular sterol stores are depleted, the element is activated, the gene is transcribed and the cellular uptake of LDL increases. A set of SREbinding proteins (SREBPs) have been identified, including two basic helixloop-helix-leucine zipper (bHLH-zip) transcription factors, designated SREBP-1 and SREBP-2. SREBP-1 and SREBP-2 have been shown to have the same specificity for SRE-1 in vitro and to activate the transcription of reporter genes containing SRE-1 in the same way.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology
