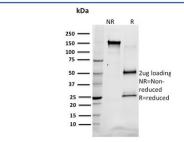


SREBP1 Antibody / Sterol regulatory element-binding protein 1 [clone SREBP1/1578] (V8099)

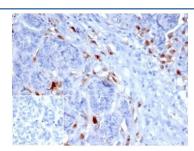
| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V8099-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V8099-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V8099SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

| Availability | 1-3 business days |
|--------------------|--|
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2b, kappa |
| Clone Name | SREBP1/1578 |
| Purity | Protein G affinity chromatography |
| UniProt | P36956 |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This SREBP1 antibody is available for research use only. |



SDS-PAGE analysis of purified, BSA-free SREBP1 antibody (clone SREBP1/1578) as confirmation of integrity and purity.



IHC staining of FFPE human ovarian carcinoma with SREBP1 antibody (clone SREBP1/1578). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing. Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding.

Description

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.

Application Notes

Optimal dilution of the SREBP1 antibody should be determined by the researcher.

Immunogen

A recombinant full-length human protein was used as the immunogen for this SREBP1 antibody.

Storage

Store the SREBP1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).