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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09295 - Goat Anti-LIMP2 / SCARB2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SCARB2, scavenger receptor class B, member 2, AMRF, CD36L2, HLGP85, LIMP2, SR-BII, 85 kDa lysosomal sialoglycoprotein scavenger receptor class B, member 2, CD36 antigen (collagen type I receptor, thrombospondin receptor)-like 2 (lysosomal integral membrane protein II), lysosomal integral membrane protein II, EPM4, LGP85, LIMP-2, 85 kDa lysosomal membrane sialoglycoprotein, CD36 antigen-like 2, LIMP II, scavenger receptor class B member 2

Official Symbol: SCARB2

Accession Number(s): NP_005497.1

Human GeneID(s): [950](#)

Non-Human GeneID(s): 12492 (mouse)

Important Comments: This antibody is expected to recognize reported isoform 1 (NP_005497.1) only.

Immunogen

Peptide with sequence C-NKANIQFGDNGTTIS, from the internal region of the protein sequence according to NP_005497.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx. 80kDa band observed in Human Cerebral Cortex lysates and in preliminary testing of Human Thyroid lysate and U251 cell lysate (calculated MW of 54.3kDa according to NP_005497.1). This molecular weight is observed in the literature (Fujita et al, 1992, PMID: 1374238) and by other commercial sources. Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature. This antibody has been successfully used in WB on Human: Murphy KE et al. (2014) PMID: 24477431.

IHC: In paraffin embedded Human Cerebral Cortex shows lysosomal staining.

Recommended concentration: 3-5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U251 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U251 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific Reference

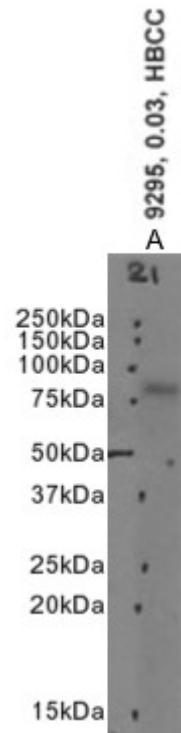
This antibody has been successfully used in Western blot on Human:

Murphy KE, Gysbers AM, Abbott SK, Tayebi N, Kim WS, Sidransky E, Cooper A, Garner B, Halliday GM.

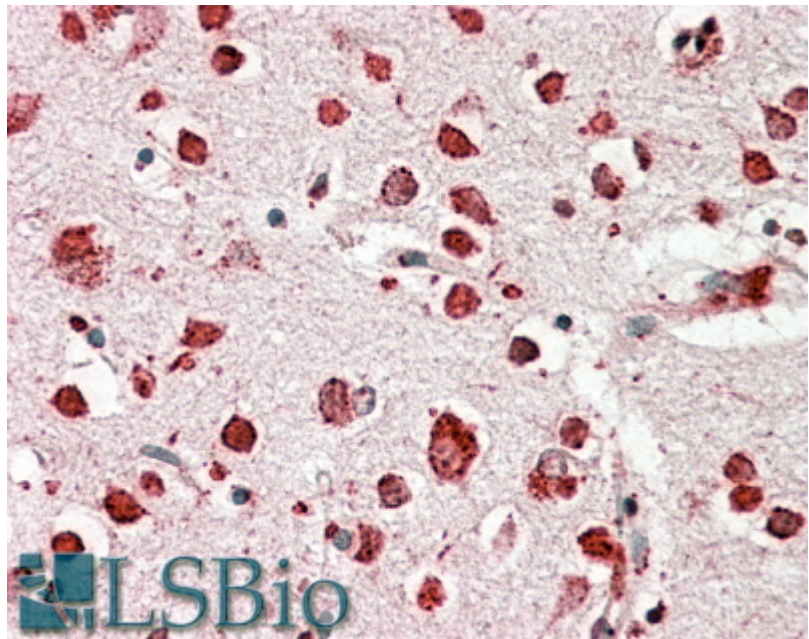
Reduced glucocerebrosidase is associated with increased α -synuclein in sporadic Parkinson's disease.

Brain. 2014 Mar;137(Pt 3):834-48.

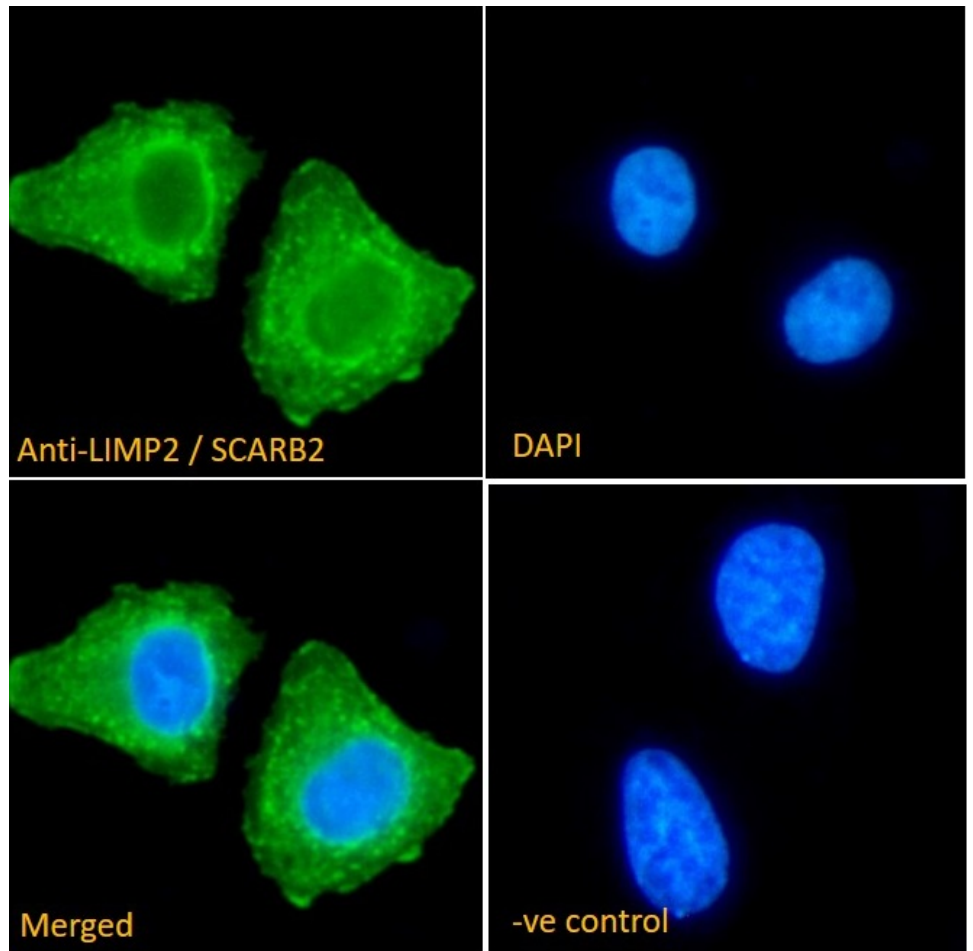
PMID: 24477431



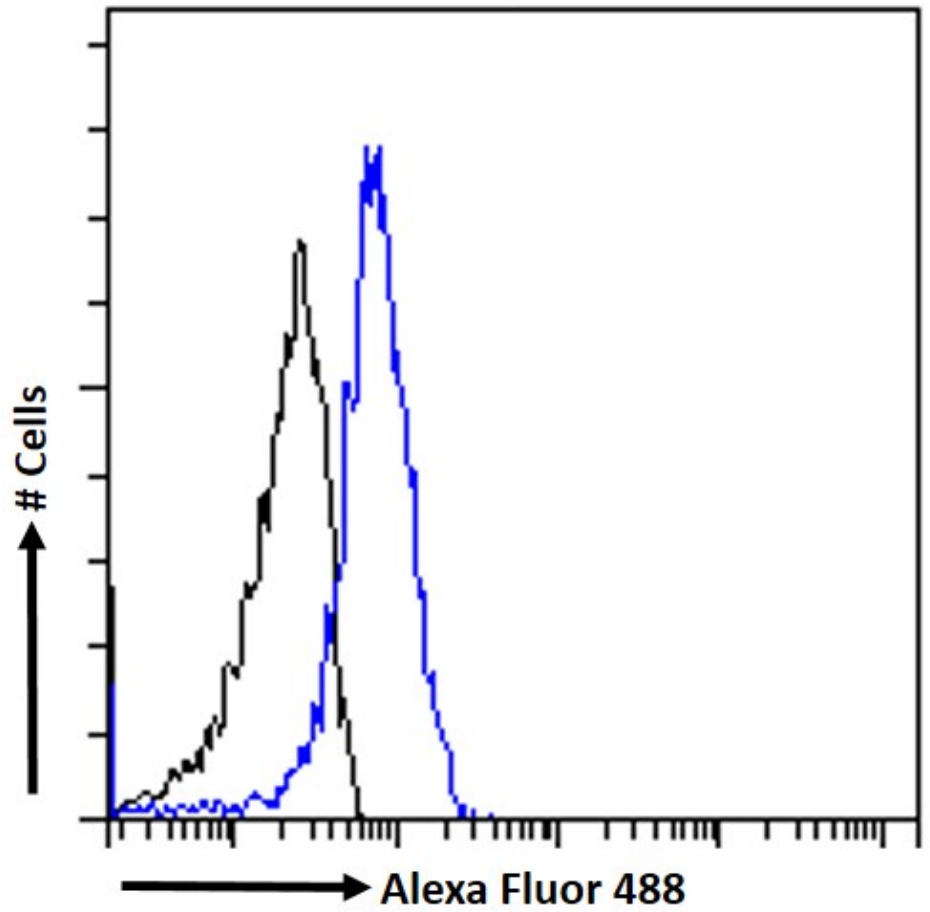
EB09295 optimised QC. Primary incubation 1 hour at room temperature.
 Image A: Human Cerebral Cortex lysate at primary Ab concentration 0.03ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB09295 (3.8µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB09295 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09295 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.