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

EB06268-T - Goat Anti-VPS35 / MEM3 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: VPS35, MEM3, FLJ10752, FLJ13588, FLJ20388, DKFZp434E1211, DKFZp434P1672, vacuolar protein sorting 35 (yeast), maternal-embryonic 3, vacuolar protein sorting 35 homolog (S. cerevisiae), vacuolar protein sorting 35

Official Symbol: VPS35

Accession Number(s): NP_060676.2

Human GeneID(s): [55737](#)

Non-Human GeneID(s): 65114 (mouse)

Important Comments: Note there is a hypothetical protein called similar to vacuolar protein sorting 35 (XP_040192.1), which is virtually identical.

Immunogen

Peptide with sequence C-SPESEGPIYEGIL, from the C Terminus of the protein sequence according to NP_060676.2.

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 1:128000.

Western blot: Approx 85-90kDa band observed in Human Brain (Cerebellum), Heart and Rat Brain lysates (calculated MW of 91.7kDa according to NP_060676.2). Recommended concentration: 1-3µg/ml. Preliminary testing was unsuccessful on Mouse Brain for this particular batch. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Prostate and Small Intestine (Vessel). Recommended concentration: 5µg/ml.

Immunocytochemistry: Vesicular staining of VPS35 (green) in HEK293 and in SHSY5Y. Based on these data, a previous batch of this antibody was endorsed by PabmAbs (<http://pabmabs.com/wordpress/?p=1523>).

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Cow

Specific References

This antibody has been successfully used in IF on Human:

Takatori S, Tatematsu T, Cheng J, Matsumoto J, Akano T, Fujimoto T.

Phosphatidylinositol 3,5-Bisphosphate-Rich Membrane Domains in Endosomes and Lysosomes

Traffic. 2016 Feb;17(2):154-67

PMID: 26563567

This antibody has been successfully used in ICC on CHO cells:

Lee S, Uchida Y, Emoto K, Umeda M, Kuge O, Taguchi T, Arai H.

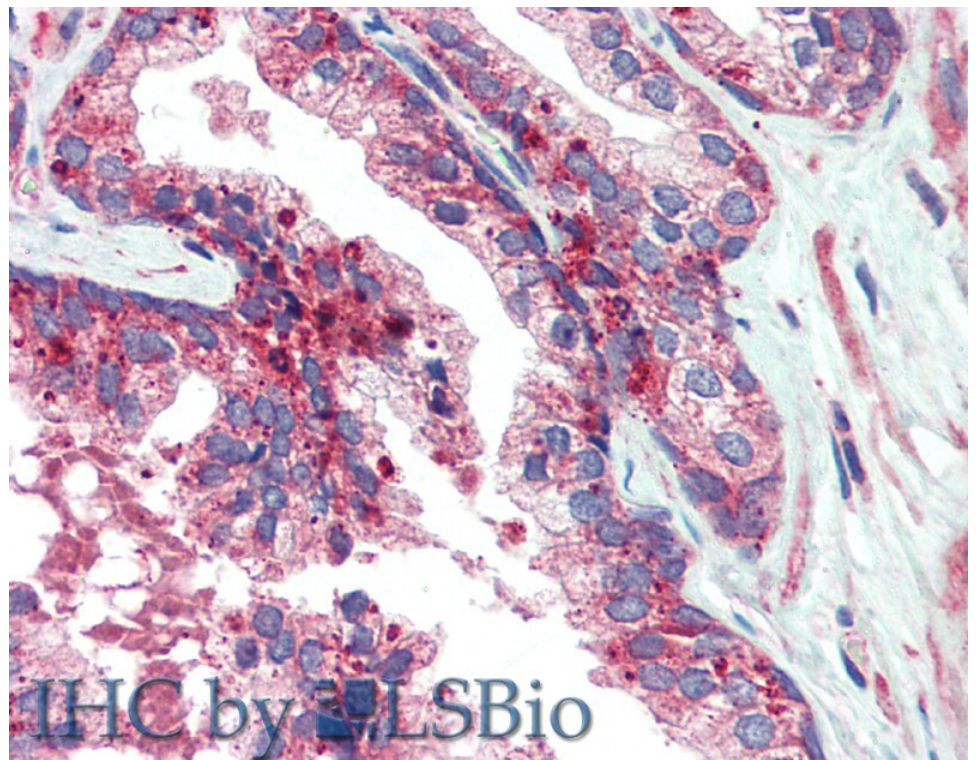
Impaired retrograde membrane traffic through endosomes in a mutant CHO cell defective in phosphatidylserine synthesis.

Genes Cells. 2012 Aug;17(8):728-36. doi: 10.1111/j.1365-2443.2012.01622.x.

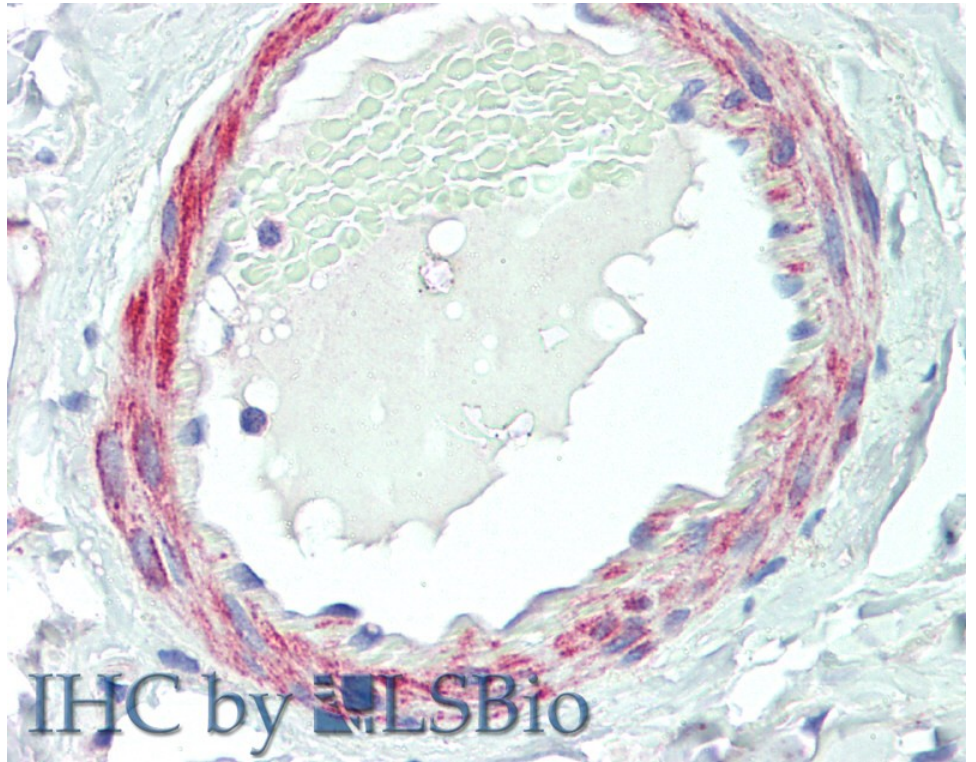
PMID: 22747682



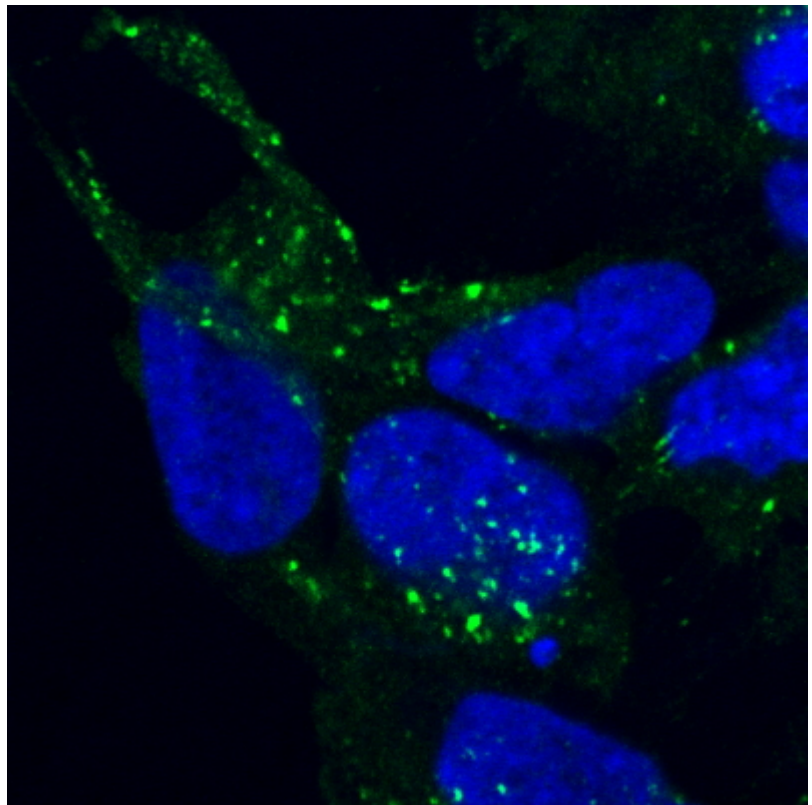
EB06268 (1µg/ml) staining of Human Brain (Cerebellum) (A) and Rat Brain (B) lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.



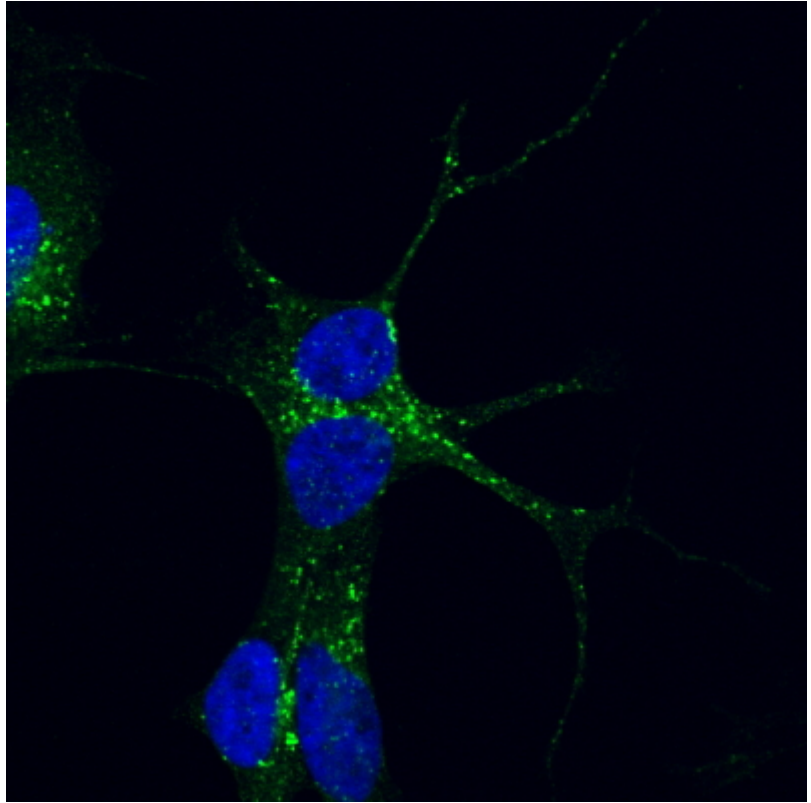
EB06268 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06268 (5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB06268 staining of PFA-fixed and saponin permeabilized HEK293 and detected with FITC in confocal microscopy. Data obtained from Aarhus University Denmark. **This data is from a previous batch, not on sale.**



EB06268 staining of PFA-fixed and saponin permeabilized SHSY5Y and detected with FITC in confocal microscopy. Data obtained from Dr. M. Schallburg Nielsen, Aarhus University Denmark. **This data is from a previous batch, not on sale.**