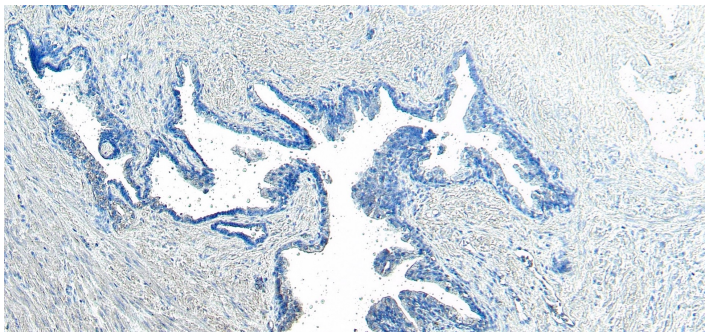
www.everestbiotech.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

# GOAT ANTI-VPS35 / MEM3 ANTIBODY

**SKU:** EB06268



## SPECIFICATIONS

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| **Formulation** | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| **Unit Size** | 100 µg |
| **Storage Instructions** | Aliquot and store at -20°C. Minimize freezing and thawing. |
| **Synonym / Alias Names** | vacuolar protein sorting 35\|vacuolar protein sorting 35 homolog (S. cerevisiae)\|maternal-embryonic 3\|vacuolar protein sorting 35 (yeast)\|DKFZp434P1672\|DKFZp434E1211\|FLJ20388\|FLJ13588\|FLJ10752\|MEM3\|VPS35 |
| **Usage Summary** | Immunofluorescence: Strong expression of the protein seen in the cytoplasm/vesicles of HEK293 and U2OS cells. Recommended concentration: 10µg/ml. |
| **Accession ID** | NP_060676.2 |
| **Blocking Peptide** | EBP06268 |
| **Immunogen** | Peptide with sequence C-SPESEGPIYEGLIL, from the C Terminus of the protein sequence according to NP_060676.2. |
| **Product Comments** | Note there is a hypothetical protein called similar to vacuolar protein sorting 35 (XP_040192.1), which is virtually identical. |
| **Peptide Sequence** | C-SPESEGPIYEGLIL |
| **Purification Method** | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| **Shipping Instructions** | Refrigerated |
| **Predicted Species** | Human, Mouse, Rat, Cow |
| **Reactive Species** | Human, Mouse, Rat |

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| **Human Gene ID** | 55737 |
| **Mouse Gene ID** | 65114 |
| **Product Grade** | https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png |
| **IHC Results** | Paraffin embedded Human Prostate. Recommended concentration: 8µg/ml. |
| **ELISA Detection Limit** | Antibody detection limit dilution 1:128000. |
| **Western Blot** | Approx 90kDa band observed in Human (Cerebellum), Mouse and Rat Brain lysates and in lysates of cell line HepG2, and approx. 85kDa observed in lysates of cell line HEK293 (calculated MW of 91.7kDa according to Human NP_060676.2, Mouse NP_075373.1). Recommended concentration: 0.03-0.1µg/ml. Primary incubation 1 hour at room temperature. |
| **Application Type** | Pep-ELISA, WB, IHC, IF |

# SELECTED REFERENCES

[{"pmid": 22747682, "intro": "**This antibody (previous batch) has been successfully used in IF on CHO cells:**", "title": "Impaired retrograde membrane traffic through endosomes in a mutant CHO cell defective in phosphatidylserine synthesis.", "author": "Lee S, Uchida Y, Emoto K, Umeda M, Kuge O, Taguchi T, Arai H.", "journal": "Genes Cells. 2012 Aug;17(8):728-36. doi: 10.1111/j.1365-2443.2012.01622.x."}, {"pmid": 30377371, "intro": "**This antibody (previous batch) has been successfully used in the following paper:**", "title": "A high-throughput pipeline for validation of antibodies", "author": "Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen", "journal": "Nat Methods. 2018 Nov;15(11):909-912"}, {"pmid": 36652482, "intro": "**This antibody has been successfully used in ICC and In situ PLA on Human:**", "title": "Dimerization of the Alzheimer's disease pathogenic receptor SORLA regulates its association with retromer", "author": "Anne Mette G Jensen, Yu Kitago, Elnaz Fazeli, Christian B Vægter, Scott A Small, Gregory A Petsko, Olav M Andersen", "journal": "Proc Natl Acad Sci U S A. 2023 Jan 24;120(4):e2212180120."}, {"pmid": 26563567, "intro": "**This antibody (previous batch) has been successfully used in IF on Human:**", "title": "Phosphatidylinositol 3,5-Bisphosphate-Rich Membrane Domains in Endosomes and Lysosomes", "author": "Takatori S, Tatematsu T, Cheng J, Matsumoto J, Akano T, Fujimoto T.", "journal": "Traffic. 2016 Feb;17(2):154-67"}, {"pmid": 29851073, "intro": "**This antibody (previous batch) has been successfully used in ICC on Human:**", "title": "Retrograde transport of ?-secretase from endosomes to the trans-Golgi network regulates A?42 production.", "author": "Kanatsu K, Hori Y, Ebinuma I, Chiu YW, Tomita T.", "journal": "J Neurochem. 2018 May 31."}]

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