

ARG43378
anti-VASH1 antibodyPackage: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|-------------------------------------------------------------------------------------|
| Product Description | Rabbit Polyclonal antibody recognizes VASH1 |
| Tested Reactivity | Hu, Ms |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | VASH1 |
| Species | Human |
| Immunogen | Recombinant fusion protein corresponding to aa. 1-365 of Human VASH1 (NP_055724.1). |
| Conjugation | Un-conjugated |
| Alternate Names | KIAA1036; Vasohibin-1 |

Application Instructions

| | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Application table | Application | Dilution |
| | WB | 1:500 - 1:2000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | THP-1 | |
| Observed Size | ~ 45 kDa | |

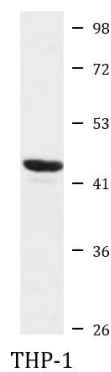
Properties

| | |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Symbol | VASH1 |
| Gene Full Name | vasohibin 1 |
| Function | Tyrosine carboxypeptidase that removes the C-terminal tyrosine residue of alpha-tubulin, thereby regulating microtubule dynamics and function (PubMed:29146869). Acts as an angiogenesis inhibitor: inhibits migration, proliferation and network formation by endothelial cells as well as angiogenesis (PubMed:15467828, PubMed:16488400, PubMed:16707096, PubMed:19204325). This inhibitory effect is selective to endothelial cells as it does not affect the migration of smooth muscle cells or fibroblasts (PubMed:15467828, PubMed:16488400, PubMed:16707096). [UniProt] |
| Calculated Mw | 41 kDa |
| PTM | 2 major forms (42 and 36 kDa) and 2 minors (32 and 27 kDa) may be processed by proteolytic cleavage. The largest form (42 kDa) seems to be secreted and the other major form (63 kDa) seems to accumulate within the cells or pericellular milieu. Polypeptide consisting of Met-77 to Arg-318 may correspond to the 27 kDa form and that consisting of Met-77 to Val-365 may correspond to the 36 kDa form. Ubiquitinated in vitro. [UniProt] |
| Cellular Localization | Secreted. [UniProt] |

Images



ARG43378 anti-VASH1 antibody WB image

Western blot: 25 µg of THP-1 cell lysate stained with ARG43378 anti-VASH1 antibody at 1:1000 dilution.