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# SASH1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11563c

## Product Information

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| **Application** | IHC-P, WB, E |
| **Primary Accession** | O94885 |
| **Other Accession** | NP_056093.3 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB18949 |
| **Calculated MW** | 136653 |
| **Antigen Region** | 596-625 |

## Additional Information

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| **Gene ID** | 23328 |
| **Other Names** | SAM and SH3 domain-containing protein 1, Proline-glutamate repeat-containing protein, SASH1, KIAA0790, PEPE1 |
| **Target/Specificity** | This SASH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 596-625 amino acids from the Central region of human SASH1. |
| **Dilution** | IHC-P~~1:100~500 WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | SASH1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | SASH1 |
| **Synonyms** | KIAA0790, PEPE1 |

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| **Function** | Is a positive regulator of NF-kappa-B signaling downstream of TLR4 activation. It acts as a scaffold molecule to assemble a molecular complex that includes TRAF6, MAP3K7, CHUK and IKBKB, thereby facilitating NF-kappa-B signaling activation (PubMed:23776175). Regulates TRAF6 and MAP3K7 ubiquitination (PubMed:23776175). Involved in the regulation of cell mobility (PubMed:23333244, PubMed:23776175, PubMed:25315659). Regulates lipolysaccharide (LPS)-induced endothelial cell migration (PubMed:23776175). Is involved in the regulation of skin pigmentation through the control of melanocyte migration in the epidermis (PubMed:23333244). |
| **Cellular Location** | Cytoplasm. |
| **Tissue Location** | Expressed ubiquitously, with highest levels in lung, placenta, spleen and thymus. Down-regulated in the majority (74%) of breast tumors in comparison with corresponding normal breast epithelial tissues. Expressed in the epidermis, epidermal keratinocytes, dermal fibroblasts and melanocytes (PubMed:23333244, PubMed:26203640). |

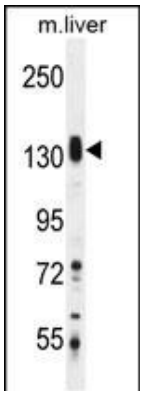
## Background

SASH1 may have a role in a signaling pathway and could act as a tumor suppressor.

## References

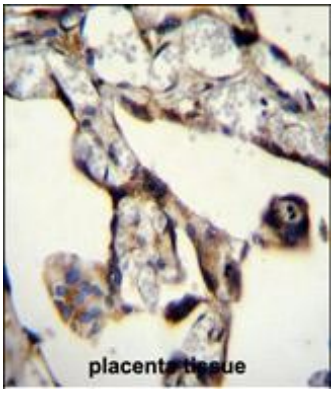

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## Images




SASH1 Antibody (Center) (Cat. #AP11563c) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the SASH1 antibody detected the SASH1 protein (arrow).

SASH1 Antibody (Center) (Cat. #AP11563c)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SASH1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.




Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.