10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SASH1 Rabbit pAb

Catalog # AP99422

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O94885
Other Accession	O94885
Predicted	Rat, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	136653
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SASH1
Epitope Specificity	421-520/1247
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	ontains 2 SAM (sterile alpha motif) domains. Contains 1 SH3 domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SASH1 is a 1247 amino acid protein that is significantly downregulated in the majority of primary breast tumor tissues, breast cancer cell lines, lung and thyroid tumors, as well as in certain colon carcinomas. It has been hypothesized that its expression is suppressed not due to mutation of the SASH1 gene, but instead via other mechanisms, such as promoter methylation. As a member of the SH3-domain containing expressed in lymphocytes (SLY1) gene family, SASH1 contains two sterile α modules (SAMs) and one Src homology-3 (SH3) domain, motifs that are predominantly found in adaptors, scaffold proteins and signaling molecules. Downregulation of SASH1 expression correlates with the formation of distant metastasis and is considered a negative prognostic parameter for patient survival.

Additional Information

Gene ID	23328
Other Names	CAPOK; DUH; DUH1; SH3D6A; dJ323M4.1; 1100001C18Rik; 2500002E12Rik; A330076K04Rik; mKIAA0790; SASH1_HUMAN; SASH1; Proline-glutamate repeat-containing protein; KIAA0790; PEPE1; SASH1_MOUSE; SAM and SH3 domain containing 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SASH1
Synonyms	KIAA0790, PEPE1
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).

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