

## Rabbit KAL1 Polyclonal Antibody | anti-KAL1 antibody

KAL1 Rabbit pAb

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA281654</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

KAL1; Polyclonal Antibody; KAL1 Rabbit pAb; ANOS1; ADMLX; HH1; HHA; KAL; KALIG-1; KMS; WFDC19; anosmin-1; anti-KAL1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                             |
| Reactivity                                     | Human, Mouse, Rat                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                         |
| Isotype                                        | IgG                                                                                                                |
| Purity/Purification                            | Affinity purification                                                                                              |
| Form/Format                                    | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                  |
| Sequence                                       | LEVKWSSKFN ISIEPVIYVV QRRWNYGIHP SEDDATHWQT VAQTTDERVQ LTDIRPSRWY QFRVAAVNVH<br>GTRGFTAPSK HFRSSKDPSA PPAPANLRLA N |
| Applicable Applications for anti-KAL1 antibody | IF (Immunofluorescence), WB (Western Blot)                                                                         |
| Immunogen                                      | A synthetic peptide corresponding to a sequence within amino acids 200-300 of human KAL1 (NP_000207.2).            |
| Cellular Location                              | Cell membrane, Peripheral membrane protein, Secreted                                                               |
| Positive Samples                               | SH-SY5Y, Mouse lung                                                                                                |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                   |

### IMAGES



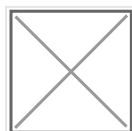
#### IF (Immunofluorescence)

Immunofluorescence analysis of mouse brain using KAL1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



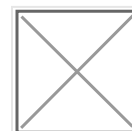
#### IF (Immunofluorescence)

Immunofluorescence analysis of mouse brain using KAL1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of rat brain using KAL1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of rat brain using KAL1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using KAL1 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-KAL1 antibody

Background: Mutations in this gene cause the X-linked Kallmann syndrome. The encoded protein is similar in sequence to proteins known to function in neural cell adhesion and axonal migration. In addition, this cell surface protein is N-glycosylated and may have anti-protease activity.

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119395746                                                                                                                                                                             |
| NCBI GeneID                      | 3730                                                                                                                                                                                  |
| NCBI Accession #                 | NP_000207.2                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_000216.2                                                                                                                                                                           |
| UniProt Accession #              | P23352; B2RPF8                                                                                                                                                                        |
| Molecular Weight                 | 76,112 Da                                                                                                                                                                             |
| NCBI Official Full Name          | anosmin-1                                                                                                                                                                             |
| NCBI Official Synonym Full Names | Kallmann syndrome 1 sequence                                                                                                                                                          |
| NCBI Official Symbol             | KAL1                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | HH1; HHA; KAL; KMS; ADMLX; WFDC19; KALIG-1                                                                                                                                            |
| NCBI Protein Information         | anosmin-1; kallmann syndrome protein; adhesion molecule-like X-linked; Kallmann syndrome interval gene 1; WAP four-disulfide core domain 19; Kallmann syndrome-1 sequence (anosmin-1) |
| UniProt Protein Name             | Anosmin-1                                                                                                                                                                             |
| UniProt Gene Name                | <b>KAL1</b>                                                                                                                                                                           |
| UniProt Synonym Gene Names       | ADMLX; KAL; KALIG1                                                                                                                                                                    |
| UniProt Entry Name               | KALM_HUMAN                                                                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/kal1-antibody-immunofluorescence-western-blot-elisa/281654>