

## Rabbit ALX4 Polyclonal Antibody | anti-ALX4 antibody

ALX4 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY                                  | APPLICATIONS                                          |
|-----------|--------|---------------------------------------------|-------------------------------------------------------|
| AAA290373 | Rabbit | Human (Predicted Reactivity: Bovine, Mouse) | Flow Cytometry, Functional Assay, ELISA, Western Blot |

### PRODUCT SYNONYMS

ALX4; Polyclonal Antibody; ALX4 Antibody (Center); Homeobox protein aristaless-like 4; KIAA1788; anti-ALX4 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human (Predicted Reactivity: Bovine, Mouse)                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This ALX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 249-275 amino acids from the Central region of human ALX4.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/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. |
| Concentration                                  | Vial Concentration: 0.44 (varies by lot)                                                                                                                                     |
| Sequence Positions                             | 249-275                                                                                                                                                                      |
| Sequence Length                                | 411                                                                                                                                                                          |
| Applicable Applications for anti-ALX4 antibody | FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)                                                                                                                          |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### FCM/FACS (Flow Cytometry)

ALX4 Antibody (Center) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



#### WB (Western Blot)

ALX4 Antibody (Center) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the ALX4 antibody detected the ALX4 protein (arrow).

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ALX4 antibody | <p>This gene encodes a paired-like homeodomain transcription factor expressed in the mesenchyme of developing bones, limbs, hair, teeth, and mammary tissue. Mutations in this gene cause parietal foramina 2 (PFM2); an autosomal dominant disease characterized by deficient ossification of the parietal bones. Mutations in this gene also cause a form of frontonasal dysplasia with alopecia and hypogonadism; suggesting a role for this gene in craniofacial development, mesenchymal-epithelial communication, and hair follicle development. Deletion of a segment of chromosome 11 containing this gene, del(11)(p11p12), causes Potocki-Shaffer syndrome (PSS); a syndrome characterized by craniofacial anomalies, mental retardation, multiple exostoses, and genital abnormalities in males. In mouse, this gene has been shown to use dual translation initiation sites located 16 codons apart. [provided by RefSeq].</p> |
| References                                         | <p>Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :<br/>Tanzer, M., et al. PLoS ONE 5 (2), E9061 (2010) :<br/>Kayserili, H., et al. Hum. Mol. Genet. 18(22):4357-4366(2009)<br/>Chang, H., et al. J. Clin. Pathol. 62(10):908-914(2009)<br/>Drenos, F., et al. Hum. Mol. Genet. 18(12):2305-2316(2009)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## NCBI AND UNIPROT INFORMATION

|                                  |                                    |
|----------------------------------|------------------------------------|
| NCBI GI #                        | 55743092                           |
| NCBI GeneID                      | 60529                              |
| NCBI Accession #                 | NP_068745.2                        |
| NCBI GenBank Nucleotide #        | NM_021926.3                        |
| UniProt Accession #              | Q9H161; Q96JN7; Q9H198; Q9HAY9     |
| Molecular Weight                 | 44241                              |
| NCBI Official Full Name          | homeobox protein aristaless-like 4 |
| NCBI Official Synonym Full Names | ALX homeobox 4                     |
| NCBI Official Symbol             | ALX4                               |
| NCBI Official Synonym Symbols    | CRS5; FND2                         |
| NCBI Protein Information         | homeobox protein aristaless-like 4 |
| UniProt Protein Name             | Homeobox protein aristaless-like 4 |
| UniProt Gene Name                | <b>ALX4</b>                        |
| UniProt Synonym Gene Names       | KIAA1788                           |
| UniProt Entry Name               | ALX4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alx4-antibody-flow-cytometry-western-blot-elisa/290373>