

## Rabbit EMX2 Polyclonal Antibody | anti-EMX2 antibody

EMX2 Antibody

| CATALOG # | HOST   | REACTIVITY                                                                                       | APPLICATIONS                                                     |
|-----------|--------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| AAA40377  | Rabbit | Human; Predicted Species reactivity based on immunogen sequence:<br>Mouse: (100%), Bovine (100%) | Immunofluorescence, Immunohistochemistry,<br>Western Blot, ELISA |

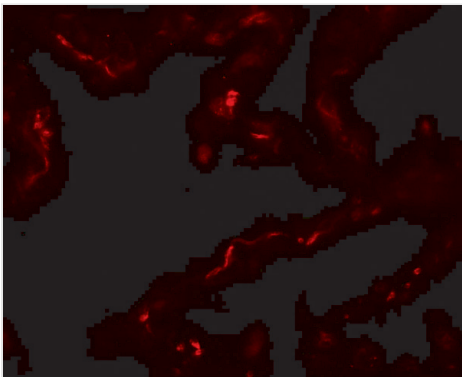
### PRODUCT SYNONYMS

EMX2; Polyclonal Antibody; EMX2 Antibody; Homeobox protein EMX2; Empty spiracles homolog 2; anti-EMX2 antibody

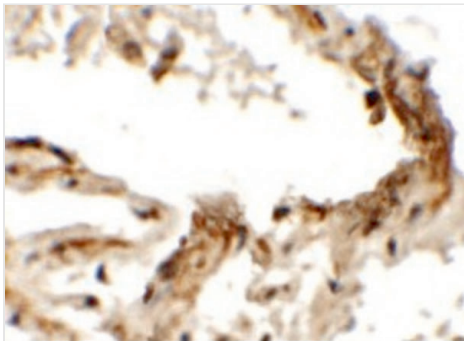
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                     |
| Reactivity                                     | Human; Predicted Species reactivity based on immunogen sequence: Mouse: (100%), Bovine (100%)                                                                                                                                                              |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                 |
| Isotype                                        | IgG                                                                                                                                                                                                                                                        |
| Specificity                                    | At least two isoforms of EMX2 are known to exist; this antibody will detect both isoforms. EMX2 antibody is predicted to not cross-react with EMX1                                                                                                         |
| Purity/Purification                            | EMX2 Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                     |
| Concentration                                  | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                    |
| Sequence Length                                | 252                                                                                                                                                                                                                                                        |
| Applicable Applications for anti-EMX2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                                                                                                              |
| Conjugate                                      | Unconjugated                                                                                                                                                                                                                                               |
| Immunogen                                      | EMX2 antibody was raised against an 18 amino acid synthetic peptide near the center of human EMX2. The immunogen is located within amino acids 60-110 of EMX2.                                                                                             |
| Buffer                                         | EMX2 Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Positive Control                               | Human Lung Tissue Lysate<br>Human Lung Tissue Slide                                                                                                                                                                                                        |
| Preparation and Storage                        | EMX2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

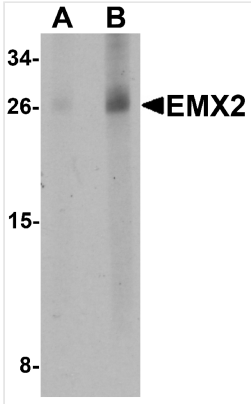
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of EMX2 in human lung tissue with EMX2 antibody at 20  $\mu$ g/mL.



**IHC (Immunohistochemistry)**  
Immunohistochemistry of EMX2 in human lung tissue with EMX2 antibody at 2.5  $\mu$ g/mL.



**WB (Western Blot)**  
Western blot analysis of EMX2 in human lung tissue lysate with EMX2 antibody at (A) 1 and (B) 2  $\mu$ g/mL.

ADDITIONAL INFORMATION

**Related Product Information for anti-EMX2 antibody**

EMX2 Antibody: EMX2, like its closely related homolog EMX1, is a homeobox transcription factor involved in specifying cell fates in the developing central nervous system and participates in the development of olfactory neurons. EMX2 is expressed in the dorsal telencephalon during development in a low rostral-lateral to high caudal-medial gradient and is proposed to pattern the neocortex into defined functional areas. It is also expressed in embryonic and adult olfactory neuroepithelia where it complexes with eukaryotic translation initiation factor 4E (eIF4E) and possibly regulates mRNA transport or translation. In the developing urogenital system, it is expressed in epithelial tissues and is negatively regulated by HOXA10.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| NCBI GI #                        | 19862512                                                                         |
| NCBI GeneID                      | 2018                                                                             |
| UniProt Accession #              | Q04743; Q96NN8; Q9BQF4; G3V305                                                   |
| Molecular Weight                 | 18,518 Da                                                                        |
| NCBI Official Full Name          | Homeobox protein EMX2                                                            |
| NCBI Official Synonym Full Names | empty spiracles homeobox 2                                                       |
| NCBI Official Symbol             | EMX2                                                                             |
| NCBI Protein Information         | homeobox protein EMX2; empty spiracles homolog 2; empty spiracles-like protein 2 |
| UniProt Protein Name             | Homeobox protein EMX2                                                            |

|                    |            |
|--------------------|------------|
| UniProt Gene Name  | EMX2       |
| UniProt Entry Name | EMX2_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://www.aaabiotech.com/polyclonal/emx2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40377>