# antibodies -online.com







# anti-PAX6 antibody (AA 51-150)



## **Images**



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|--------|-----|---|----|---|------------|---|
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| Quantity:            | 100 μL  |
|----------------------|---|
| Target:              | PAX6  |
| Binding Specificity: | AA 51-150   |
| Reactivity:          | Human, Mouse, Rat   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This PAX6 antibody is un-conjugated   |
| Application:         | ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

#### **Product Details**

| Immunogen:            | KLH conjugated synthetic peptide derived from human PAX6 |
|-----------------------|--|
| Isotype:              | IgG  |
| Specificity:          | Belongs to the paired homeobox family.                   |
| Cross-Reactivity:     | Human, Mouse, Rat  |
| Predicted Reactivity: | Dog,Cow,Sheep,Horse,Bee,Chicken,Rabbit                   |
| Purification:         | Purified by Protein A.                                   |

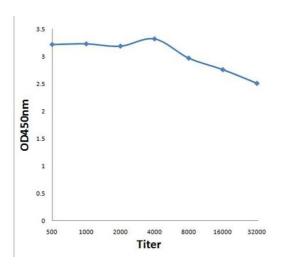
### **Target Details**

| Target:             | PAX6   |
|---------------------|--|
| Alternative Name:   | PAX6 (PAX6 Products)   |
| Background:         | Synonyms: AN, AN2, FVH1, MGDA, WAGR, D11S812E, Paired box protein Pax-6, Aniridia type II        |
|                     | protein, Oculorhombin, PAX6  |
|                     | Background: Transcription factor with important functions in the development of the eye, nose,   |
|                     | central nervous system and pancreas. Required for the differentiation of pancreatic islet alpha  |
|                     | cells (By similarity). Competes with PAX4 in binding to a common element in the glucagon,        |
|                     | insulin and somatostatin promoters. Regulates specification of the ventral neuron subtypes by    |
|                     | establishing the correct progenitor domains (By similarity). Isoform 5a appears to function as a |
|                     | molecular switch that specifies target genes.  |
| Gene ID:            | 5080   |
| UniProt:            | P26367   |
| Pathways:           | Peptide Hormone Metabolism, Carbohydrate Homeostasis   |
| Application Details |  |
| Application Notes:  | ELISA 1:500-1000   |
|                     | FCM 1:20-100   |
|                     | IHC-P 1:200-400  |
|                     | IHC-F 1:100-500  |
|                     | IF(IHC-P) 1:50-200   |
|                     | IF(IHC-F) 1:50-200   |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
| Concentration:      | 1 μg/μL  |
| Buffer:             | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.                            |
| Preservative:       | ProClin  |
| Precaution of Use:  | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be              |
|                     | handled by trained staff only.   |
| Storage:            | 4 °C,-20 °C  |
|                     |  |

#### Handling

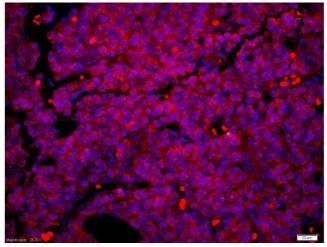
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
|------------------|---|
| Expiry Date:     | 12 months   |

#### **Images**



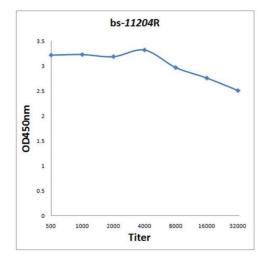
#### **ELISA**

Image 1. Antigen: 0.2ug/100ul, Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm



#### **Immunofluorescence (Paraffin-embedded Sections)**

**Image 2.** Mouse embryo tissue fixed in 4% PFA and paraffin embedded Citrate buffer (0.01M, pH 6.0) boiling bath for 15min; Anti-PAX6 Polyclonal Antibody, Unconjugatedused at 1:200 dilution for 40 minutes at 37°C. DAPI was used to stain the cell nuclei.



#### **ELISA**

**Image 3.** Antigen: 0.2  $\mu$ g/100  $\mu$ L Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450

Please check the product details page for more images. Overall 5 images are available for ABIN1387454.