# VHR Rabbit mAb

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| **Catalog No** | YP-rAb-17772 |
| **Isotype** | IgG |
| **Reactivity** | Human,Mouse,Rat |
| **Applications** | WB,IHC,IF,IP,ELISA |
| **Gene Name** | DUSP3 |
| **Protein Name** | Dual specificity protein phosphatase 3 |
| **Purification Process** | Protein A |
| **Specificity** | Endogenous |
| **Formulation** | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| **Source** | Monoclonal, Rabbit,IgG |
| **Dilution** | IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 |
| **Concentration** | 0.5 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -15° C to -25° C/1 year(Do not lower than -25° C) |
| **Synonyms** | DUSP3 ; VHR ; Dual specificity protein phosphatase 3 ; Dual specificity protein phosphatase VHR ; Vaccinia H1-related phosphatase ; VHR |
| **Observed Band** | 20kD |
| **Calculated Molecular Weight** | 20kD |
| **Cell Pathway** | Nucleus . |
| **Tissue Specificity** | Duodenum,Uterus, |
| **Function** | Catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,Catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.,Function:This protein shows activity both toward tyrosine-protein phosphate as well as with serine-protein phosphate.,similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.,similarity:Contains 1 tyrosine-protein phosphatase domain., |
| **Background** | The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of |

dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast ca

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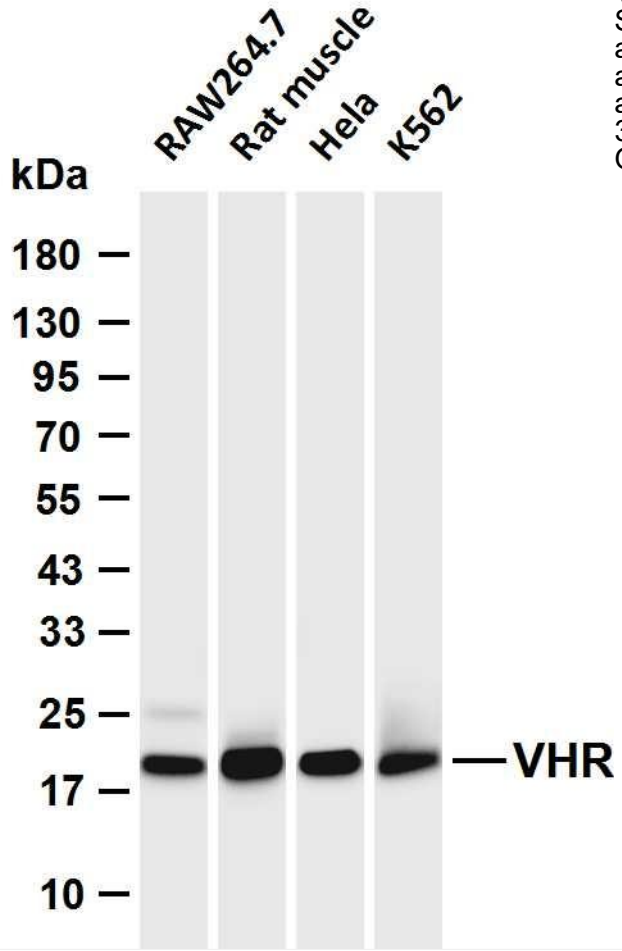
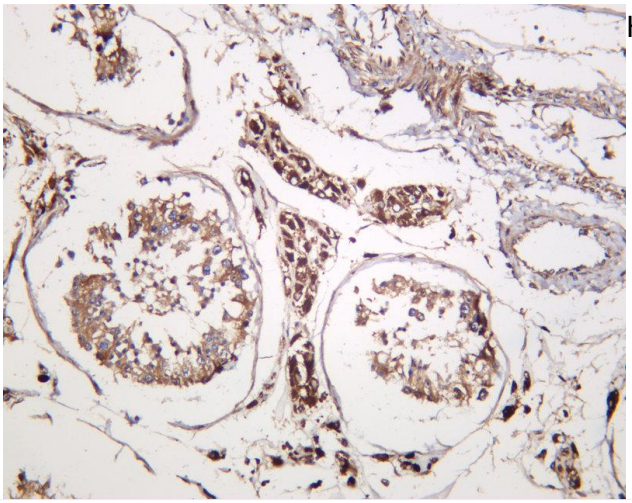
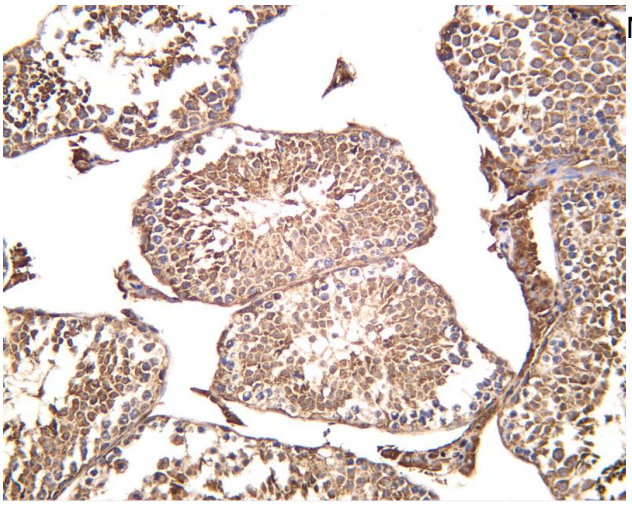
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |




Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-VHR antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: RAW264.7 Lane 2: Rat muscle Lane 3: Hela Lane 4: K562 Predicted band size: 20kDa Observed band size: 20kDa



Human testis was stained with anti-VHR Rabbit antibody



Mouse testis was stained with anti-VHR Rabbit antibody