

Rabbit anti-Human, Mouse PAX2 Polyclonal Antibody | anti-PAX2 antibody

Anti-PAX2 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27725	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

PAX2; Polyclonal Antibody; Anti-PAX2 Antibody; Rabbit Polyclonal; PAX2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PAPRS Antibody; Anti-RP11-179B2.1 Antibody; anti-PAX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human , Mouse
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PAX2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC-P: 1:500-1:2000 ICC/IF: 1:100-1:500 IP: 0.5-2uL/mg of lysate
Immunogen	A synthetic peptide corresponding to the center region of the Human PAX2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PAX2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

CBX4 was immunoprecipitated using: Lane A:0.5 mg K562 Whole Cell Lysate 4 uL anti-CBX4 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CBX4 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa Observed band size :45 kDa



IF (Immunofluorescence)

Immunofluorescence staining of PAX2 in A549 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PAX2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.

**IHC (Immunohistochemistry)**

Immunochemical staining of human PAX2 in mouse kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**

Immunochemical staining of human PAX2 in human renal carcinoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**IHC (Immunohistochemistry)**

Immunochemical staining of human PAX2 in human kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

**WB (Western Blot)**

Anti-PAX2 rabbit polyclonal antibody at 1:500 dilution Lane A: K562 Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:44 kDa Observed band size:44 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PAX2 antibody

PAX2 (paired box gene 2) is a transcription factor, which is involved in both cell proliferation and carcinogenesis. PAX2 is one of nine PAX genes that regulate tissue development and cellular differentiation in embryos. PAX2, a nuclear transcription factor in renal development, is strongly expressed during kidney development and plays an important role in kidney development, differentiation, and renal cell proliferation. Paired box (PAX) 2, a transcription factor, plays a critical role in embryogenesis. When aberrantly expressed in adult tissues, it generally exhibits oncogenic properties. PAX2 is expressed in epithelial cells of fetal kidneys and its expression is up-regulated in certain pathologic conditions.

NCBI AND UNIPROT INFORMATION

NCBI GI #	223590261
NCBI GeneID	5076
UniProt Accession #	Q02962; Q15105; Q15110; Q15837; Q5SZP2; Q5SZP3
Molecular Weight	393
NCBI Official Full Name	Paired box protein Pax-2
NCBI Official Synonym Full Names	paired box 2
NCBI Official Symbol	PAX2
NCBI Official Synonym Symbols	FSGS7; PAPRS
NCBI Protein Information	paired box protein Pax-2; paired box homeotic gene 2
UniProt Protein Name	Paired box protein Pax-2
UniProt Gene Name	PAX2
UniProt Entry Name	PAX2_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

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pax2-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-immunoprecipitation-elisa/27725>