

Rabbit PQBP1 Polyclonal Antibody | anti-PQBP1 antibody

Anti-PQBP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255186	Rabbit	Human Predicted to React with: Gorilla gorilla gorilla, Pongo pygmaeus (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Western Blot

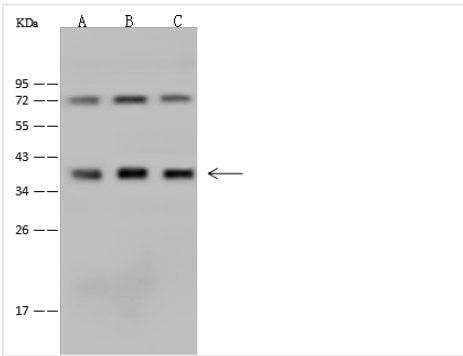
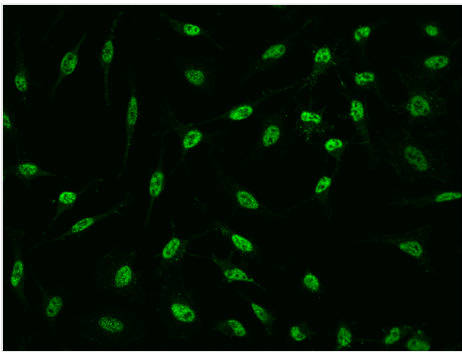
PRODUCT SYNONYMS

PQBP1; Polyclonal Antibody; Anti-PQBP1 Antibody; Rabbit Polyclonal; PQBP1 Antibody; Rabbit PAb; Antigen Affinity Purified; polyglutamine binding protein 1; Anti-MRX2 Antibody; Anti-MRX55 Antibody; Anti-MRXS3 Antibody; Anti-MRXS8 Antibody; Anti-NPW38 Antibody; Anti-RENS1 Antibody; Anti-SHS Antibody; anti-PQBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Gorilla gorilla gorilla, Pongo pygmaeus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PQBP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PQBP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human PQBP1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human PQBP1, 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. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of PQBP1 in HeLa 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 PQBP1 polyclonal antibody (dilution ratio 1:1000) 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.

WB (Western Blot)
Anti-PQBP1 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: 293T Whole Cell Lysate Lane C: HepG2 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: 30 kDa Observed band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PQBP1 antibody	Polyglutamine tract-binding protein 1 (PQBP1) is an intrinsically disordered protein composed of a small folded WW domain and a long disordered region. PQBP1 binds to spliceosomal proteins WBP11 and U5-15kD through its N-terminal WW domain and C-terminal region, respectively. PQBP1 is an RNA-splicing factor that, when mutated, in humans causes Renpenning syndrome, an X-linked intellectual disability disease characterized by severe cognitive impairment, but also by physical defects that suggest PQBP1 has broader functions in embryonic development. PQBP1 interacts with splicing-related factors via the disordered/denatured domain and is involved in transcriptional and post-transcriptional regulation of gene expression in animals, and possibly also in plants. PQBP1 in bone marrow mesenchymal stem cells may play a crucial role in bone formation and cartilage development.
References	Yang SS, et al. (2020) Pqbp1, an intellectual disability causative gene, affects bone development and growth. Biochem Biophys Res Commun 523 (4): 894-899. Wang Q, et al. (2013) Pqbp1, a factor linked to intellectual disability, affects alternative splicing associated with neurite outgrowth. Genes Dev 27 (6): 615-626. Okazawa H (2018) Pqbp1, an intrinsically disordered/denatured protein at the crossroad of intellectual disability and neurodegenerative diseases. Neurochem Int 119 17-25. Mizuguchi M, et al. (2016) Allosteric modulation of the binding affinity between pqbp1 and the spliceosomal protein u5-15kd. FEBS Lett 590 (14): 2221-2231.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74735456
NCBI GeneID	10084
UniProt Accession #	O60828; Q4VY25; Q4VY26; Q4VY27; Q4VY29; Q4VY30; Q4VY34; Q4VY35; Q4VY36; Q4VY37; Q4VY38; Q9GZP2
Molecular Weight	265
NCBI Official Full Name	Polyglutamine-binding protein 1
NCBI Official Synonym Full Names	polyglutamine binding protein 1
NCBI Official Symbol	PQBP1
NCBI Official Synonym Symbols	SHS; MRX2; MRX55; MRXS3; MRXS8; NPW38; RENS1
NCBI Protein Information	polyglutamine-binding protein 1; polyglutamine tract-binding protein 1; 38 kDa nuclear protein containing a WW domain
UniProt Protein Name	Polyglutamine-binding protein 1
UniProt Gene Name	PQBP1

UniProt Synonym Gene Names	NPW38; PQBP-1; Npw38
UniProt Entry Name	PQBP1_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/pqbp1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/255186>