


Product datasheet

Anti-PQBP1 antibody ab100797

[1 References](#) [3 Images](#)

Overview

Product name	Anti-PQBP1 antibody
Description	Rabbit polyclonal to PQBP1
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Horse, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human PQBP1 aa 150-250. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. NP_005701.1 Database link: O60828
Positive control	HeLa, 293T lysates
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.09% Sodium azide Constituent: Tris citrate/phosphate
Purity	Immunogen affinity purified
Purification notes	Antibody was affinity purified using an epitope specific to PQBP1 immobilized on solid support
Clonality	Polyclonal

Isotype

IgG

Applications

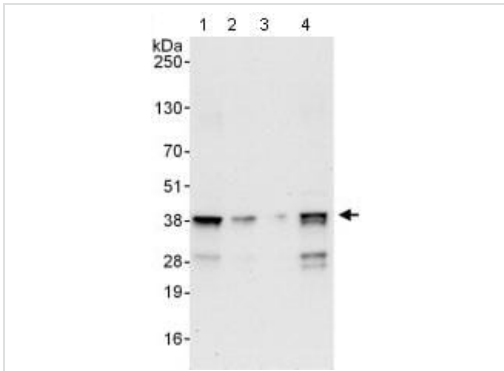
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab100797 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 30 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/500 - 1/2000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	May suppress the ability of POU3F2 to transactivate the DRD1 gene in a POU3F2 dependent manner. Can activate transcription directly or via association with the transcription machinery. May be involved in ATXN1 mutant-induced cell death. The interaction with ATXN1 mutant reduces levels of phosphorylated RNA polymerase II large subunit.
Tissue specificity	Widely expressed with high level in heart, skeletal muscle, pancreas, spleen, thymus, prostate, ovary, small intestine and peripheral blood leukocytes.
Involvement in disease	Defects in PQBP1 are the cause of Renpenning syndrome 1 (RENS1) [MIM:309500]; also known as Sutherland-Haan X-linked mental retardation syndrome (SHS) or X-linked mental retardation syndromes MRXS3/MRXS8/MRX55. The clinical features are mental retardation, microcephaly, short stature, and small testes. The craniofacies tends to be narrow and tall with upslanting palpebral fissures, abnormal nasal configuration, cupped ears, and short philtrum. The nose may appear long or bulbous, with overhanging columella. Less consistent manifestations include ocular colobomas, cardiac malformations, cleft palate, and anal anomalies. RENS1 is more frequently in males than in females where little or no expression is found.
Sequence similarities	Contains 1 WW domain.
Domain	The WW domain may play a role as a transcriptional activator directly or via association with the transcription machinery. The WW domain mediates interaction with C-terminal domain of RNA polymerase II large subunit.
Cellular localization	Nucleus. Co-localized with POU3F2. Co-localized with ATXN1 in nuclear inclusion bodies.

Images



Western blot - Anti-PQBP1 antibody (ab100797)

All lanes : Anti-PQBP1 antibody (ab100797) at 0.1 µg/ml

Lane 1 : HeLa whole Cell Lysate at 50 µg

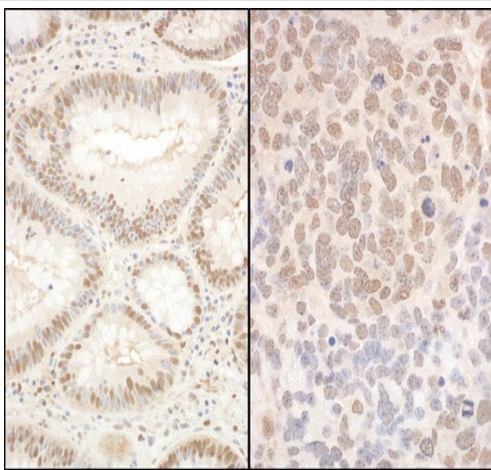
Lane 2 : HeLa whole Cell Lysate at 15 µg

Lane 3 : HeLa whole Cell Lysate at 5 µg

Lane 4 : 293T whole Cell Lysate at 50 µg

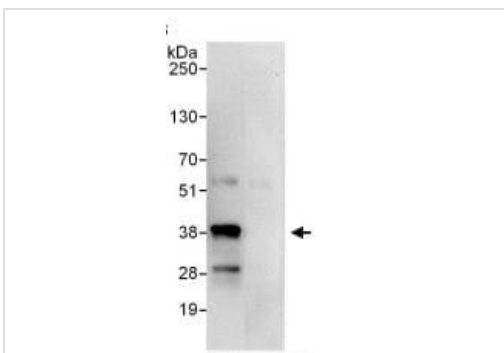
Predicted band size: 30 kDa

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PQBP1 antibody (ab100797)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma (left) and mouse teratoma (right) tissues labelling PQBP1 with ab100797 at 1/1000 (1µg/mg). Detection: DAB.



Immunoprecipitation - Anti-PQBP1 antibody (ab100797)

ab100797 at 1 µg/ml staining PQBP1 in HeLa cell lysate immunoprecipitated using ab100797 at 3 µg/mg lysate (1 mg/IP; 20% of IP loaded/lane). Exposure time: 10 seconds

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