


Product datasheet

Anti-PQBP1 antibody ab100797

3 Images

Overview

<b>Product name</b>	Anti-PQBP1 antibody
<b>Description</b>	Rabbit polyclonal to PQBP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Horse, Cow, Dog, Pig, Chimpanzee, Ferret, Rhesus monkey, Gorilla, Orangutan 
<b>Immunogen</b>	Synthetic peptide within Human PQBP1 aa 150-200. The exact sequence is proprietary. Database link: <a href="#">NP_005701.1</a>
<b>Positive control</b>	HeLa, 293T lysates

Properties

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

Applications

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.

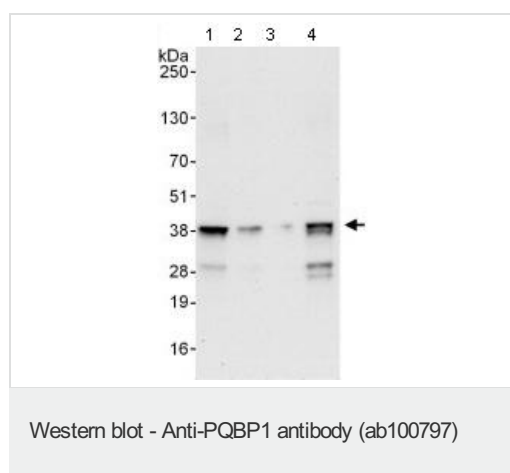
Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 30 kDa.

Application	Abreviews	Notes
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

<b>Function</b>	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.
<b>Tissue specificity</b>	Widely expressed with high level in heart, skeletal muscle, pancreas, spleen, thymus, prostate, ovary, small intestine and peripheral blood leukocytes.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Contains 1 WW domain.
<b>Domain</b>	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.
<b>Cellular localization</b>	Nucleus. Co-localized with POU3F2. Co-localized with ATXN1 in nuclear inclusion bodies.

## Images



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

**Lane 1 :** HeLa whole Cell Lysate at 50 µg

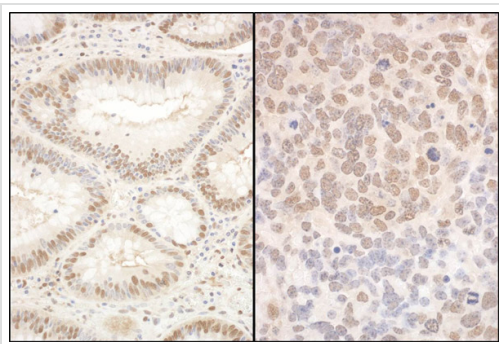
**Lane 2 :** HeLa whole Cell Lysate at 15 µg

**Lane 3 :** HeLa whole Cell Lysate at 5 µg

**Lane 4 :** 293T whole Cell Lysate at 50 µg

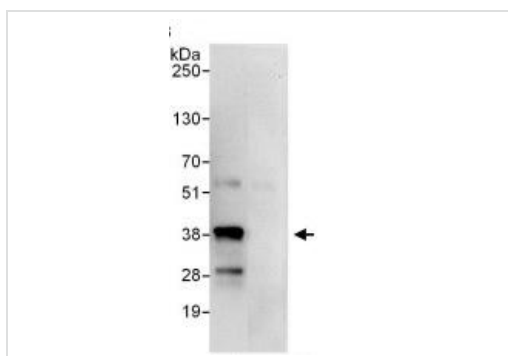
**Predicted band size:** 30 kDa

**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

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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