

WRB Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54622**Specification**

WRB Polyclonal Antibody - Product Information

Application	IHC-P, FC
Primary Accession	O00258
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19780

WRB Polyclonal Antibody - Additional Information**Gene ID** 7485**Other Names**

Guided entry of tail-anchored proteins factor 1 {ECO:0000312|HGNC:HGNC:12790}, Congenital heart disease 5 protein, Tail-anchored protein insertion receptor WRB, Tryptophan-rich basic protein, GET1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=12790 target="_blank">HGNC:12790)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

WRB Polyclonal Antibody - Protein Information**Name** GET1 ([HGNC:12790](#))**Function**

Required for the post-translational delivery of tail-anchored (TA) proteins to the endoplasmic reticulum (ER) (PubMed:<http://www.uniprot.org/citations/21444755> target="_blank">21444755, PubMed:<http://www.uniprot.org/citations/23041287> target="_blank">23041287, PubMed:<http://www.uniprot.org/citations/24392163> target="_blank">24392163, PubMed:<http://www.uniprot.org/citations/27226539> target="_blank">27226539). Together with CAMLG/GET2, acts as a membrane receptor for soluble GET3/TRC40, which recognizes and selectively binds the transmembrane domain of TA proteins in the cytosol (PubMed:<http://www.uniprot.org/citations/21444755> target="_blank">21444755, PubMed:<http://www.uniprot.org/citations/23041287> target="_blank">23041287, PubMed:<http://www.uniprot.org/citations/24392163> target="_blank">24392163, PubMed:<http://www.uniprot.org/citations/27226539> target="_blank">27226539). Required to ensure correct topology and ER insertion of CAMLG (PubMed:<http://www.uniprot.org/citations/31417168> target="_blank">31417168),

PubMed:32187542).

Cellular Location

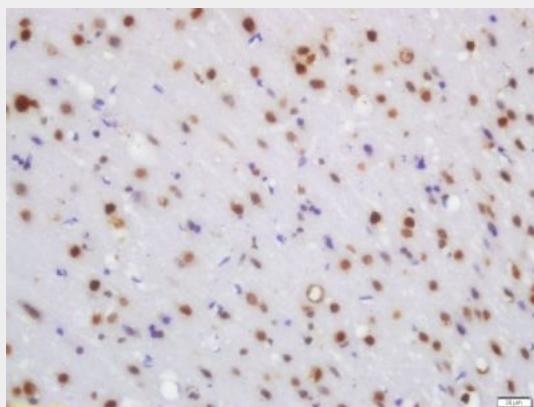
Endoplasmic reticulum membrane; Multi-pass membrane protein

WRB Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

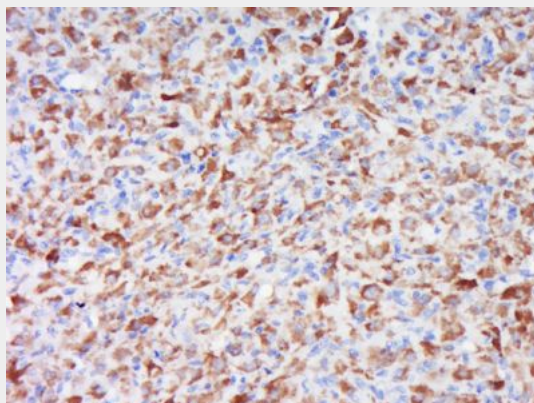
WRB Polyclonal Antibody - Images



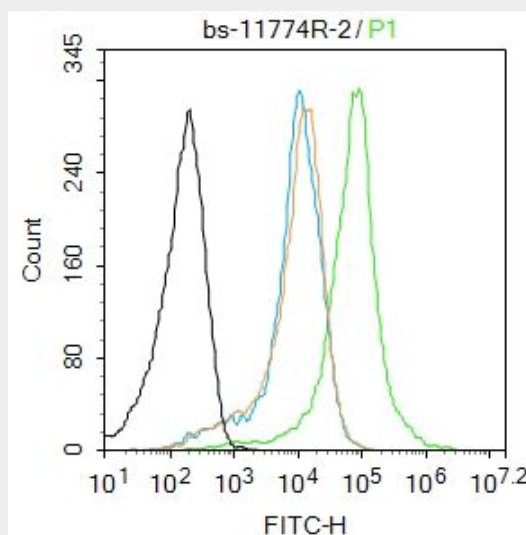
Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-WRB Polyclonal Antibody, Unconjugated(bs-11774R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (WRB) Polyclonal Antibody, Unconjugated (bs-11774R) at 1:600 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: Mouse spleen.

Primary Antibody (green line): Rabbit Anti-WRB antibody (bs-11774R)

Dilution: 2 µg /10⁶ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: 1 µg /test.

Protocol

The cells were fixed with 70% ethanol (10min at room temperature) and then were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.