

BRPF3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59003**Specification**

BRPF3 Polyclonal Antibody - Product Information

| | |
|--------------------------------|---|
| Application | WB, IHC-P, IHC-F, IF, E |
| Primary Accession | O9ULD4 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 136 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human BRPF3 |
| Epitope Specificity | 1101-1205/1205 |
| Isotype | IgG |
| Purity | |
| affinity purified by Protein A | |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SIMILARITY | Contains 1 bromo domain. Contains 1 PHD-type zinc finger. Contains 1 PWWP domain. |
| SUBUNIT | Component of the MOZ/MORF complex composed at least of ING5, KAT6A, KAT6B, MEAF6 and one of BRPF1, BRD1/BRPF2 and BRPF3. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

BRPF3 is a 1,205 amino acid protein that forms a complex with MORF, MOZ, ING5, MEAF6 and BRPF. BRPF3 contains one bromo domain, a PHD-type zinc finger and a single PWWP domain. The gene encoding BRPF3 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

BRPF3 Polyclonal Antibody - Additional Information**Gene ID** 27154**Other Names**

Bromodomain and PHD finger-containing protein 3, BRPF3 {ECO:0000303|PubMed:26620551, ECO:0000312|HGNC:HGNC:14256}

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

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.

BRPF3 Polyclonal Antibody - Protein Information

Name BRPF3 {ECO:0000303|PubMed:26620551, ECO:0000312|HGNC:HGNC:14256}

Function

Scaffold subunit of various histone acetyltransferase (HAT) complexes, such as the MOZ/MORF and HBO1 complexes, which have a histone H3 acetyltransferase activity (PubMed:16387653, PubMed:26620551, PubMed:26677226). Plays a role in DNA replication initiation by directing KAT7/HBO1 specificity towards histone H3 'Lys- 14' acetylation (H3K14ac), thereby facilitating the activation of replication origins (PubMed:26620551). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed:16387653).

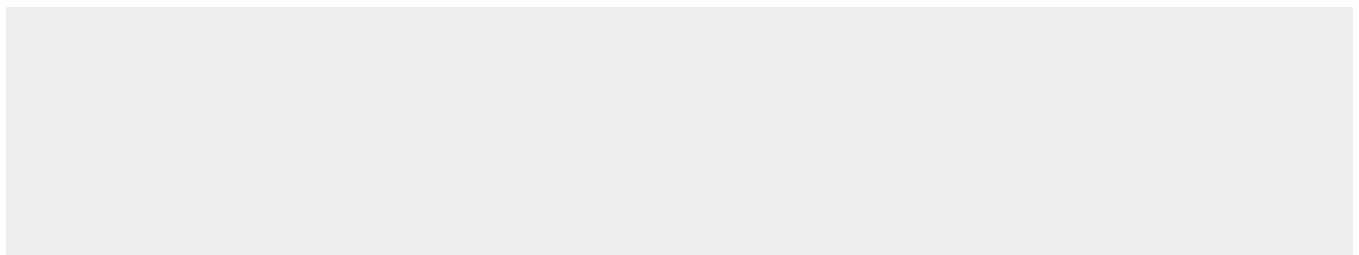
Cellular Location

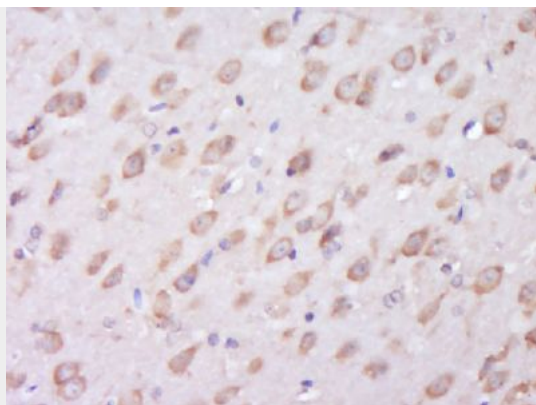
Nucleus

BRPF3 Polyclonal Antibody - Protocols

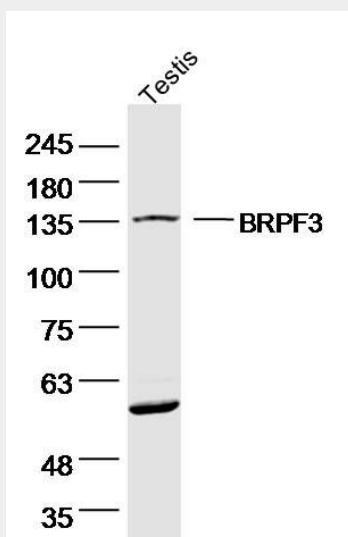
Provided below are standard protocols that you may find useful for product applications.

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

BRPF3 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (BRPF3) Polyclonal Antibody, Unconjugated (bs-8429R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample: Testis (Mouse) Lysate at 40 ug
Primary: Anti-BRPF3 (bs-8429R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 136 kD
Observed band size: 136 kD