

**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	<a href="#">O9ULD4</a>
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
<b>Purity</b>	
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**

<span class = "dilution\_WB">WB~~1:1000</span><br \><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_E">E~~N/A</span>

**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:<a href="http://www.uniprot.org/citations/16387653" target="\_blank">16387653</a>, PubMed:<a href="http://www.uniprot.org/citations/26620551" target="\_blank">26620551</a>, PubMed:<a href="http://www.uniprot.org/citations/26677226" target="\_blank">26677226</a>). 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:<a href="http://www.uniprot.org/citations/26620551" target="\_blank">26620551</a>). Component of the MOZ/MORF complex which has a histone H3 acetyltransferase activity (PubMed:<a href="http://www.uniprot.org/citations/16387653" target="\_blank">16387653</a>).

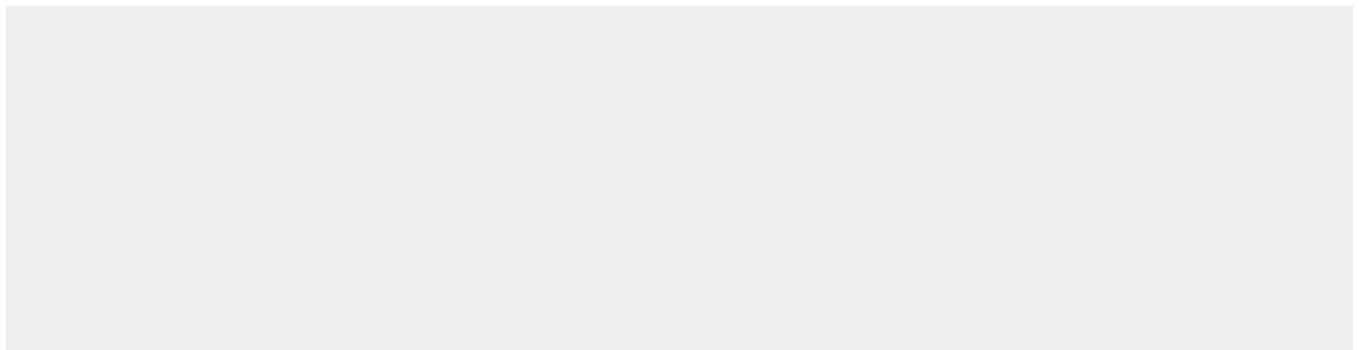
**Cellular Location**

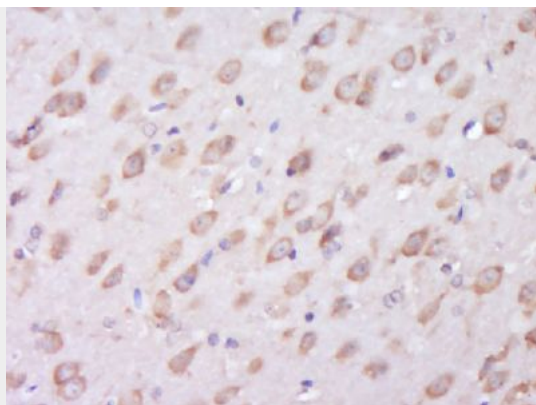
Nucleus

**BRPF3 Polyclonal Antibody - Protocols**

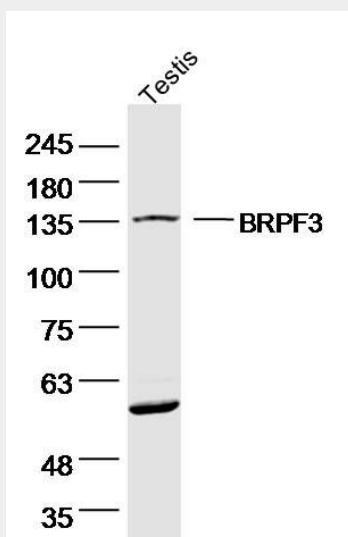
Provided below are standard protocols that you may find useful for product applications.

- [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