

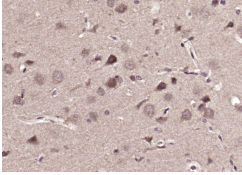
---

## RNF59/MID1 Rabbit pAb

Catalog Number: bs-9380R  
Target Protein: RNF59/MID1  
Concentration: 1mg/ml  
Form: Liquid  
Host: Rabbit  
Clonality: Polyclonal  
Isotype: IgG  
Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:50-200)  
Reactivity: Rat (predicted:Human, Mouse, Pig, Sheep, Chicken, Dog, Horse)  
Predicted MW: 75 kDa  
Subcellular: Cytoplasm  
Locations:  
Entrez Gene: 4281  
Swiss Prot: O15344  
Source: KLH conjugated synthetic peptide derived from human MID1/Midline-1/RNF59: 171-270/667.  
Purification: affinity purified by Protein A  
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.  
Background: Midline-1 (Tripartite motif-containing protein 18, Putative transcription factor XPRF, RING finger protein 59) is a 667 amino acid protein encoded by the human gene MID1. Midline-1 belongs to the TRIM/RBCC family and contains two B box-type zinc fingers, one B30.2/SPRY domain, one COS domain, one fibronectin type-III domain and one RING-type zinc finger. Midline-1 is believed to have E3 ubiquitin ligase activity which targets the catalytic subunit of protein phosphatase 2 for degradation. It is a cytoplasmic protein found as a homodimer or heterodimer with Midline-2. It also interacts with IGBP1 (Lymphocyte signaling protein A4). Defects in MID1 are the cause of Opitz syndrome type I (OS-I). OS-I is an X-linked recessive disorder characterized by hypertelorism, genital-urinary defects such as hypospadias in males and splayed labia in females, lip-palate-laryngotracheal clefts, imperforate anus, developmental delay and congenital heart defects. OS-I mutations produce proteins with a decreased affinity for microtubules.

### VALIDATION 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 (RNF59/MID1) Polyclonal Antibody, Unconjugated (bs-9380R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit (sp-0023) instructions and DAB staining.