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## Optimedin Rabbit pAb

Catalog Number: bs-11061R

Target Protein: Optimedin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: **WB** (1:500-2000), **IHC-P** (1:100-500), **IHC-F** (1:100-500), **IF** (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)

Predicted MW: 52 kDa

Subcellular: Secreted

Locations:

Entrez Gene: 118427

Swiss Prot: Q96PB7

Source: KLH conjugated synthetic peptide derived from human OLFM3/Optimedin: 101-200/478.

Purification: affinity purified by Protein A

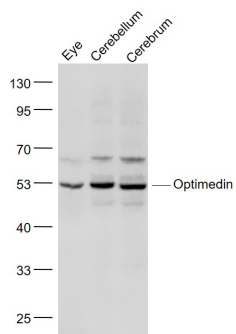
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

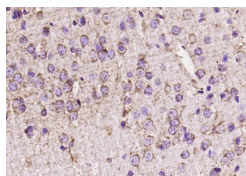
**Background:** OLFM3 is a 478 amino acid protein that interacts with myocilin. Myocilin is an extracellular protein that plays a key role in the actomyosin system and is responsible for controlling intraocular pressure. OLFM3 is a secreted protein that contains an olfactomedin-like (OLF) domain, an approximately 260 amino acid motif commonly found in secreted glycoproteins. OLFM3 localizes to the Golgi apparatus of the cell and is highly expressed in both eye and brain tissue. Mutations in the gene that encodes OLFM3 may cause severe glaucoma, a condition in which increased intraocular pressure within the eyeball causes loss of eye sight.

## VALIDATION IMAGES

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Sample: Eye (Mouse) Lysate at 40 ug Cerebellum (Mouse) Lysate at 40 ug Cerebrum (Mouse) Lysate at 40 ug  
 Primary: Anti- Optimedin (bs-11061R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
 1/20000 dilution Predicted band size: 52 kD Observed band size: 52 kD



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 (Optimedin) Polyclonal Antibody, Unconjugated (bs-11061R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.