

## Product datasheet for **AP54459PU-N**

### Retinal protein 4 (UNC119) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:50~100. Immunohistochemistry on paraffin sections: 1:50~100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 72~101 amino acids from the Center region of human UNC119
Specificity:	This antibody detects UNC119 (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	unc-119 lipid binding chaperone
Database Link:	<a href="#">Entrez Gene 9094 Human Q13432</a>



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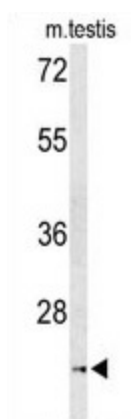
**Background:** UNC119 is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle.

**Synonyms:** Protein unc-119 homolog A, RG4

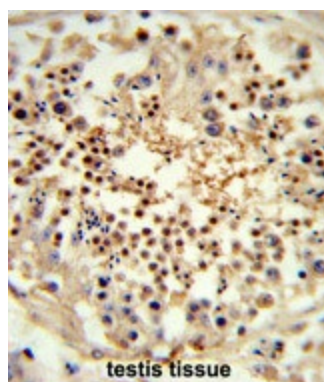
**Note:** **Molecular Weight:** 26962 Da

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

### Product images:



Western blot analysis of UNC119 Antibody (Center) in mouse testis tissue lysates (35 ug/lane). UNC119 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with RS18 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.