10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# C19orf57 Rabbit pAb

C19orf57 Rabbit pAb
Catalog # AP55288

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q0VDD7 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 69556 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human C19orf57 |
| **Epitope Specificity** | 1-100/668 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | C19orf57 is a 668 amino acid protein that exists as two alternatively spliced isoforms and are encoded by a gene located on human chromosome 19. Chromosome 19 consists of approximately 63 million bases and makes up over 2% of human genomic DNA. Chromosome 19 includes a diversity of interesting genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin superfamily members including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family, and Fcα receptors. Key genes for eye color and hair color also map to chromosome 19. Peutz-Jeghers syndrome, spinocerebellar ataxia type 6, the stroke disorder CADASIL, hypercholesterolemia and insulin-dependent diabetes have been linked to chromosome 19. Translocations with chromosome 19 and chromosome 14 can be seen in some lymphoproliferative disorders and typically involve the proto-oncogene BCL3. |

## Additional Information

| | |
|---|---|
| **Gene ID** | 79173 |
| **Other Names** | Break repair meiotic recombinase recruitment factor 1, Pre-T/NK cell-associated protein 3B3, BRME1 (HGNC:28153), C19orf57 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **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. |

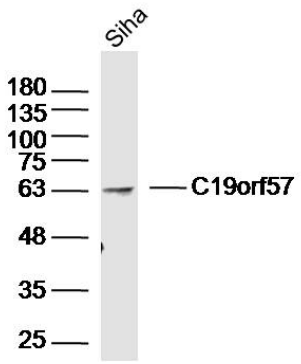
## Protein Information

| | |
|---|---|
| **Name** | BRME1 ( HGNC:28153) |
| **Synonyms** | C19orf57 |
| **Function** | Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair. Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with and stabilization of the BRCA2:HSF2BP complex during meiotic recombination. Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility. |
| **Cellular Location** | Chromosome {ECO:0000250\|UniProtKB:Q6DIA7}. Note=During meiosis, recruited to chromosomes and localizes on recombination sites in a double-strand break-dependent manner. First appears on the chromosome axis at leptotene. Along with the progression of meiotic recombination, released from the axis to form bridge-like structures linking homolog axes before they are synapsed. Finally, located between synapsed homolog axes and on the synaptonemal complex (SC). {ECO:0000250\|UniProtKB:Q6DIA7} |

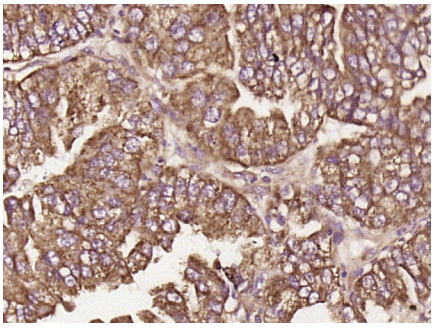
## Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Images




Sample: Siha(human) Cell Lysate at 40 ug
Primary: Anti- C19orf57 (AP55288) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 70kD
Observed band size: 63kD



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); 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 (C19orf57) Polyclonal Antibody, Unconjugated (AP55288) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.