antibodies -online.com









| Overview | |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 μL |
| Target: | FUS |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Pig, Rabbit |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FUS antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |
| Product Details | |
| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human FUS |
| Sequence: | MASNDYTQQA TQSYGAYPTQ PGQGYSQQSS QPYGQQSYSG YSQSTDTSGY |
| Predicted Reactivity: | Cow: 93%, Dog: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 93%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against FUS. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Affinity Purified |
| Target Details | |
| Target: | FUS |
| Alternative Name: | FUS (FUS Products) |

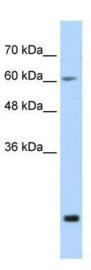
Target Details

| Target Type: | Viral Protein |
|---------------------|--------------------------------------------------------------------------------------------|
| Background: | FUS binds both single-stranded and double-stranded DNA and promotes ATP-independent |
| | annealing of complementary single-stranded DNAs and D-loop formation in superhelical |
| | double-stranded DNA. FUS may play a role in maintenance of genomic integrity. |
| | Alias Symbols: FUS-CHOP, FUS1, TLS, ALS6, POMP75, HNRNPP2 |
| | Protein Interaction Partner: TBPL1, TRIP4, RPL14, HIST2H2BE, RAB7A, TUBA1A, DDX42, |
| | ATXN2L, CPSF6, NUDT21, YWHAQ, CKAP4, SF3A3, CCT8, PAICS, CCT2, CCT4, CCT7, SYNCRIP |
| | TUBA1B, SF3A1, SF3B4, ABCF2, SAE1, SF1, YWHAZ, VCP, UBA1, UBC, TUFM, CCT3, HSP90B1, |
| | TP73, TKT, TCP1, TCEB1, STATH, ST |
| | Protein Size: 526 |
| Molecular Weight: | 53 kDa |
| Gene ID: | 2521 |
| NCBI Accession: | NM_001010850, NP_001010850 |
| UniProt: | P35637 |
| Application Details | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 263 AA |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % |
| | sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which |
| | should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |

Storage Comment:

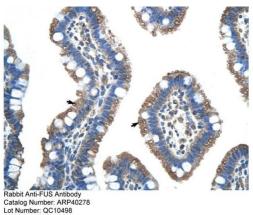
For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-FUS Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate FUS is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



Paraffin Embeded Tissue: Human Intestine
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)

Immunohistochemistry

Image 2. Rabbit Anti-FUS Antibody Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Immunohistochemistry

Image 3. Rabbit Anti-FUS Antibody Paraffin Embedded Tissue: Human Breast Antibody Concentration: 5 ug/ml

Catalog Number: ARP40278 Lot Number: QC10498 Paraffin Embeded Tissue: Human Breast Antibody Concentration: 5.0 µg/ml

Antibody Concentration: 4.0-8.0 μg/ml

Data courtesy of Lifespan Biosciences, Inc

Please check the product details page for more images. Overall 6 images are available for ABIN2778717.