# Anti-CELF2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R010056

## Product Information

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| Application | WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200 |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone No. | 37M40K74 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant protein of human CELF-2 |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3. |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-CELF2 Rabbit mAb [37M40K74] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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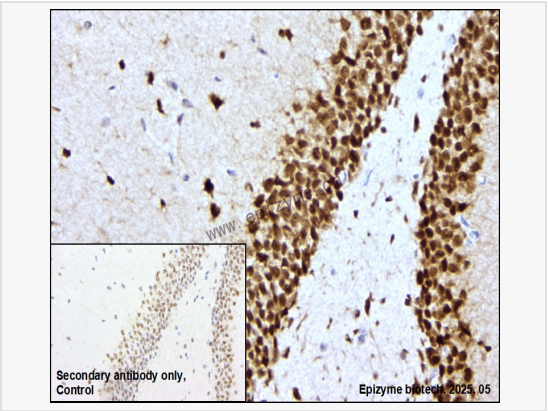
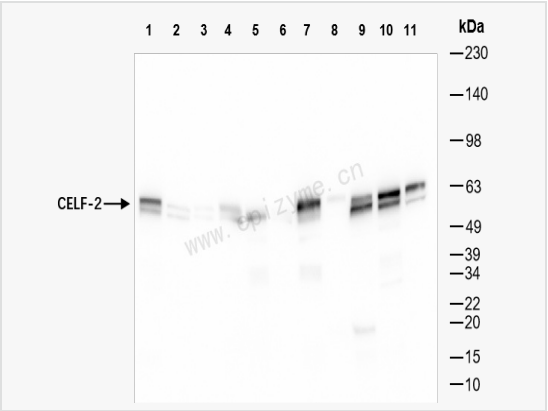
| Synonyms | Bruno like protein 3; BRUNOL3; Cardiac elav type RNA binding protein; CELF 2; celf2; CELF2 HUMAN; CUG BP2; CUG triplet repeat RNA binding protein 2; CUG BP and ETR 3 like factor 2; CUG BP2; CUGBP Elav like family member 2; CUGBP Elav like family member 2; CUGBP2; dJ323N1 1; elav type RNA binding protein; ELAV type RNA binding protein 3; ETR 3; ETR 3; ETR3; HGNC 2550; hNAPOR; NAPOR 2; NAPOR; Neuroblastoma apoptosis related RNA binding protein; Neuroplastoma apoptosis related RNA binding protein 3; RNA binding protein BRUNOL3; RNA binding protein BRUNOL 3; Elav type RNA binding protein ETR3. |
| Calculated MW | Calculated MW: 54 kDa; Observed MW: 54 kDa |
| Uniprot ID | O95319 |
| Gene ID | 10659 |
| Background | Members of the CELF/BRUNOL protein family contain two N-terminal RNA recognition motif (RRM) domains, one C-terminal RRM domain, and a divergent segment of 160-230 aa between the second and third RRM domains. Members of this protein family regulate pre-mRNA alternative splicing and may also be involved in mRNA editing, and translation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] |
| Cellular Location | Nucleus. Cytoplasm. Accumulates in the cytoplasm after ionizing radiation (By similarity). Colocalizes with APOBEC1 and A1CF. RNA-binding activity is detected in both nuclear and cytoplasmic compartments. |
| Tissue Location | Expressed in frontal cortex. Isoform 1 is expressed in brain and lung. Isoform 2 is expressed in heart, brain, placenta, lung, liver, kidney, skeletal muscle and pancreas. Isoform 4 is expressed in heart, lung, skeletal muscle, kidney and pancreas. |

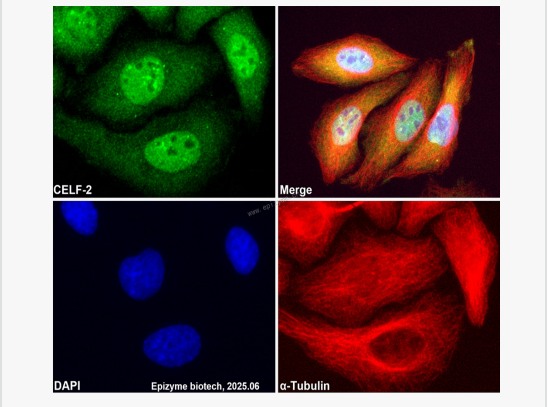
## Validation Images




Immunohistochemistry - Anti-CELF2 Rabbit mAb [37M40K74]
Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R010056 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.




Western Blot - Anti-CELF2 Rabbit mAb [37M40K74]
All lanes: R010056 at 1:2,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates
Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 8: Mouse heart whole tissue lysates
Lane 9: Mouse brain whole tissue lysates
Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lane 11: Rat heart whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 54 kDa
Observed band size: 54 kDa
Developed using the ECL technique (Cat. No. SQ201).




Immunofluorescence - Anti-CELF2 Rabbit mAb [37M40K74]
Sample: HeLa cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R010056 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).