

**ETS-2 (D6L4J) Rabbit mAb**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

| Applications: | Reactivity: | Sensitivity: | MW (kDa): | Source/Isotype: | UniProt ID: | Entrez-Gene Id: |
|---------------|-------------|--------------|-----------|-----------------|-------------|-----------------|
| W, IF-IC      | H           | Endogenous   | 61        | Rabbit IgG      | #P15036     | 2114            |

**Product Usage Information****Application**

Western Blotting  
Immunofluorescence (Immunocytochemistry)

**Dilution**

1:1000  
1:100

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

ETS-2 (D6L4J) Rabbit mAb recognizes endogenous levels of total ETS-2 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu201 of human ETS-2 protein.

**Background**

ETS-2 is a member of the E26 Transformation-specific Sequence (ETS) transcription factor family, which binds to a core GGAA/T DNA sequence in the promoter region of target genes to activate gene expression (1). ETS-2 activates expression of a wide variety of target genes, including *MMPs*, *TERT*, *TCR*, *uPA*, and oncogenic miRNAs (2-4). Its activity is important for cell growth and differentiation, bone formation, and autoimmune disease and cancer progression (5-7). Phosphorylation by MAP kinase at Thr72 upregulates the function of ETS-2, suggesting that therapeutic strategies targeting ETS-2 may provide an alternative to MEK inhibitor therapy (8).

**Background References**

1. Laudet, V. et al. (1999) *Oncogene* 18, 1351-9.
2. Xu, D. et al. (2008) *J Biol Chem* 283, 23567-80.
3. Tymms, M.J. and Kola, I. (1994) *Mol Reprod Dev* 39, 208-14.
4. Mathsyaraja, H. et al. (2015) *Oncogene* 34, 3651-61.
5. Trojanowska, M. (2000) *Oncogene* 19, 6464-71.
6. Raouf, A. and Seth, A. (2000) *Oncogene* 19, 6455-63.
7. Hsu, T. et al. (2004) *J Cell Biochem* 91, 896-903.
8. Tetsu, O. and McCormick, F. (2017) *Clin Transl Med* 6, 16.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IF-IC:** Immunofluorescence (Immunocytochemistry)

**Cross-Reactivity Key**

**H:** Human

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