

## Product datasheet for **TA332430S**

### CD82 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	WB, 1:100 - 1:500 IHC-P, 1:50 - 1:200 IF/ICC, 1:50 - 1:200 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	30kDa
Gene Name:	CD82 molecule
Database Link:	<a href="#">NP_002222</a> <a href="#">Entrez Gene 12521 Mouse</a> <a href="#">Entrez Gene 83628 Rat</a> <a href="#">Entrez Gene 3732 Human</a> <a href="#">P27701</a>



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**Background:**

This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. Its expression and that of p53 are strongly correlated, and the loss of expression of these two proteins is associated with poor survival for prostate cancer patients. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

**Synonyms:**

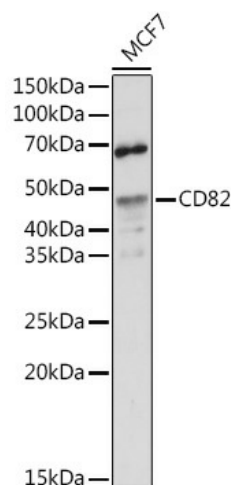
4F9; C33; GR15; IA4; KAI1; R2; SAR2; ST6; TSPAN27

**Protein Families:**

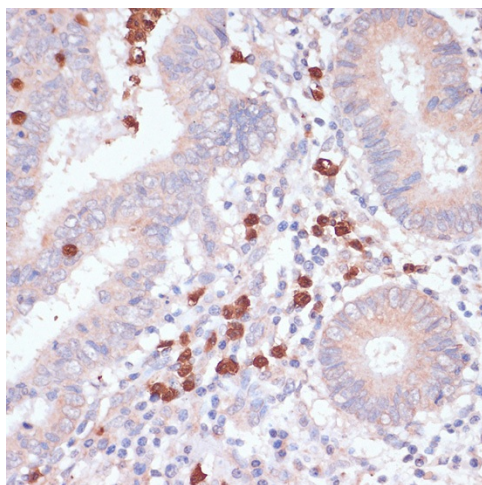
Druggable Genome, Transmembrane

**Protein Pathways:**

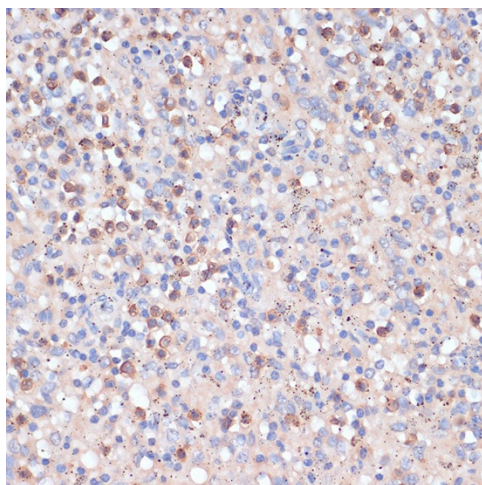
p53 signaling pathway

**Product images:**


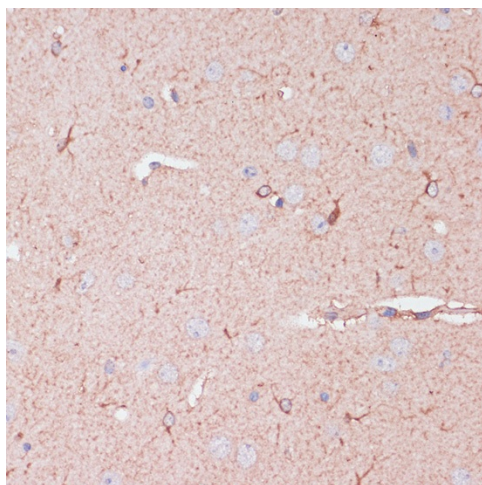
Western blot analysis of lysates from MCF7 cells



Immunohistochemistry analysis of paraffin-embedded Human colon using CD82 Rabbit pAb ([TA332430]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen using CD82 Rabbit pAb ([TA332430]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using CD82 Rabbit pAb ([TA332430]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.