

Product datasheet for **TA336815**

JMJD6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence: 1:50-1:200, Western Blot: 1:2000
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A genomic peptide made to an internal region of the human JMJD6 protein (within residues 150-350). [Swiss-Prot Q6NYC1]
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	arginine demethylase and lysine hydroxylase
Database Link:	NP_055982 Entrez Gene 23210 Human Q6NYC1
Background:	Jumonji domain containing 6 is a histone demethylating enzyme, which is active on arginine residues, but not lysines. Its activity destabilizes heterochromatin structures and activates gene expressions in euchromatin. In endothelial cells, the activity of JMJD6 is necessary for angiogenesis. If JMJD6 expression is reduced, the VEGF-receptor (Flt-1) is incorrectly spliced, leading to increased soluble Flt-1 which binds VEGF and PlGF and inhibits angiogenesis. JMJD6 also hydroxylates RNA splicing factors, and is important in embryonic differentiation. It most likely interacts specifically with single-stranded RNA, which may contribute to its early differentiation importance.
Synonyms:	PSR; PTDSR; PTDSR1

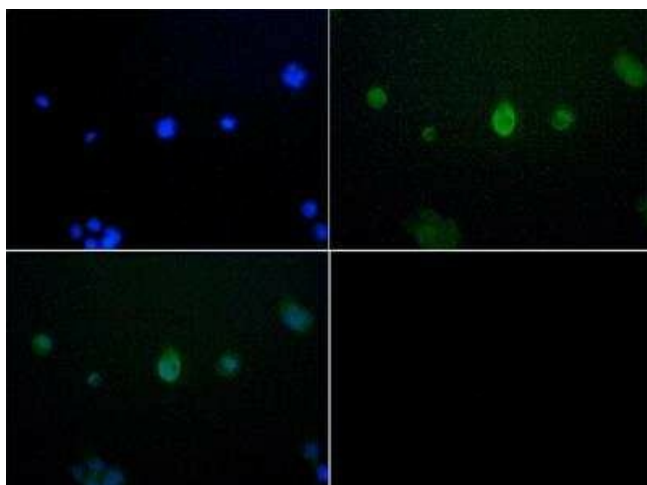


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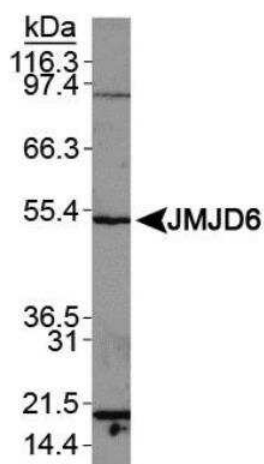
Note: This JMJD6 antibody is useful for ICC and Western Blot, where a band is seen ~45 kDa.

Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Product images:



Immunocytochemistry/Immunofluorescence: JMJD6/PSR Antibody TA336815 - JMJD6 antibody was tested at 10 ug/ml in A431 cells with FITC (green). Nuclei (Blue) were counterstained with Dapi (blue).



Western Blot: JMJD6/PSR Antibody TA336815 - Analysis of JMJD6 in A431 cell lysate.