

Product datasheet for **TA355789**

KLF4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KLF4
Specificity:	Expected reactivity: Cow, Dog, Horse, Human, Pig, Rabbit, Sheep Homology: Cow: 80%; Dog: 87%; Horse: 87%; Human: 100%; Pig: 80%; Rabbit: 85%; Sheep: 80%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50kDa
Gene Name:	Kruppel-like factor 4 (gut)
Database Link:	NP_004226 Entrez Gene 9314 Human O43474



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Background:

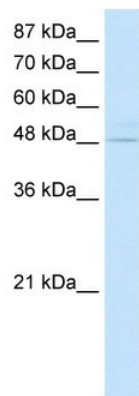
The mammalian Kruppel-like transcription factor, KLF4 is involved in preventing centrosome amplification following DNA damage caused by gamma-irradiation. It is both necessary and sufficient in preventing centrosome amplification following gamma-radiation-induced DNA damage and does so by transcriptionally suppressing cyclin E expression. Kruppel-like factor 4 is also known to exhibit checkpoint function during the G1/S and G2/M transitions of the cell cycle.

Synonyms:

EZF; GKLF

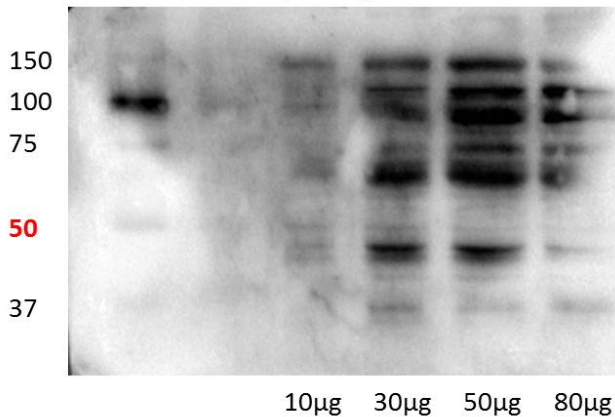
Protein Families:

Adult stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors

Product images:


WB Suggested Anti-KLF4 Antibody Titration:
2.5ug/ml
ELISA Titer: 1:312500
Positive Control: Transfected 293T

KLF4 (35721) – 1:500



Human lung cell line