

Product datasheet for **TA370634S**

RRP8 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human cerebella tissue, K562 cell lysates IHC: 50-300 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm and Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human RRP8
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	51 kDa
Gene Name:	ribosomal RNA processing 8, methyltransferase, homolog (yeast)
Database Link:	Entrez Gene 23378 Human O43159



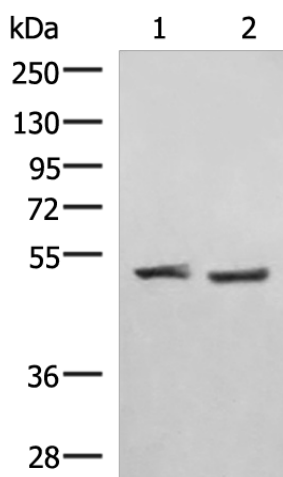
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Background:

Essential component of the eNoSC (energy-dependent nucleolar silencing) complex, a complex that mediates silencing of rDNA in response to intracellular energy status and acts by recruiting histone-modifying enzymes. The eNoSC complex is able to sense the energy status of cell: upon glucose starvation, elevation of NAD⁺/NADP⁺ ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by SUV39H1 and the formation of silent chromatin in the rDNA locus. In the complex, RRP8 binds to H3K9me2 and probably acts as a methyltransferase. Its substrates are however unknown.

Synonyms:

KIAA0409; NML; Nucleomethylin

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 µg

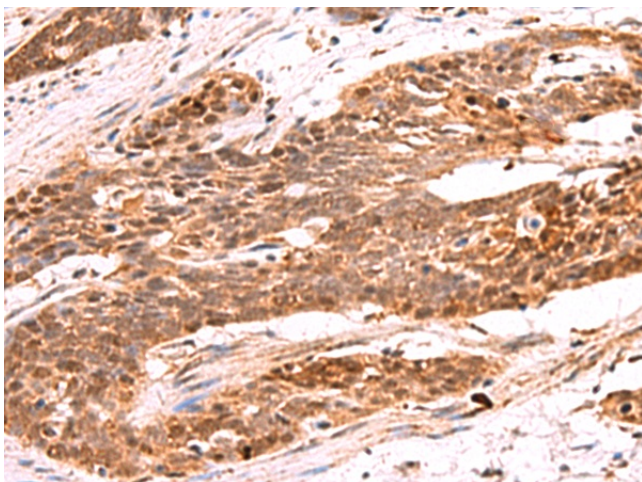
Lane 1-2: Human cerebella tissue

K562 cell lysates

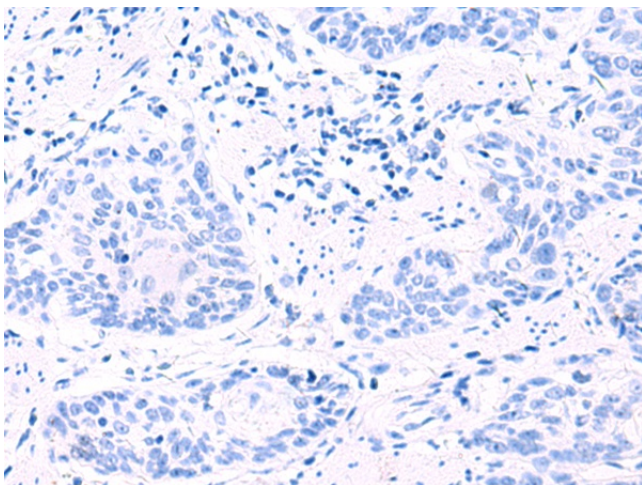
Primary antibody: [TA370634] (RRP8 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution

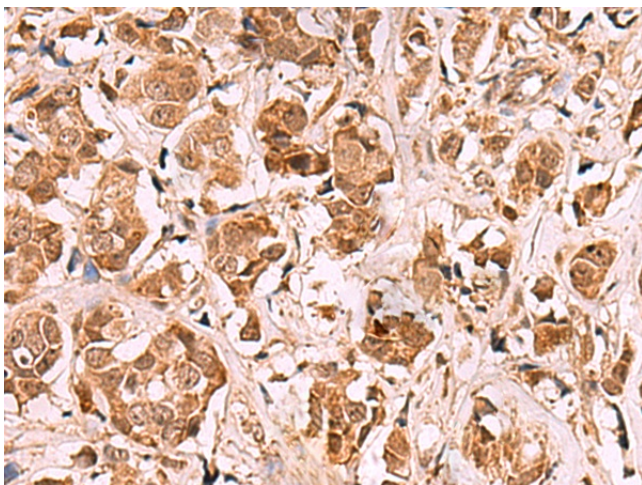
Exposure time: 30 seconds



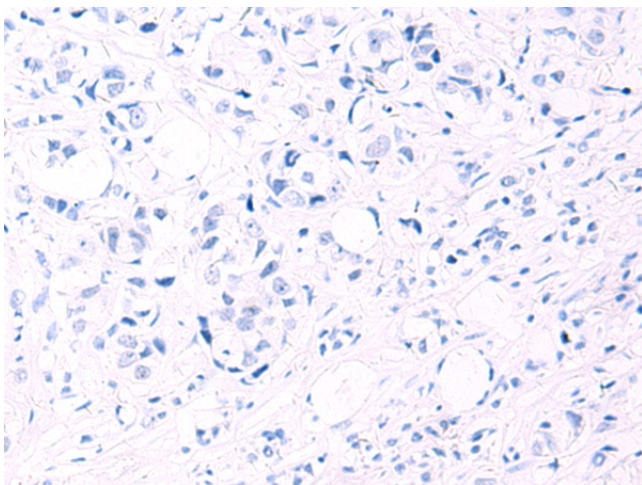
Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA370634] (RRP8 Antibody) at dilution 1/80 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA370634] (RRP8 Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA370634] (RRP8 Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA370634] (RRP8 Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: $\times 200$)