

Product datasheet for **TA371577S**

MED12 Rabbit Polyclonal Antibody

Product data:

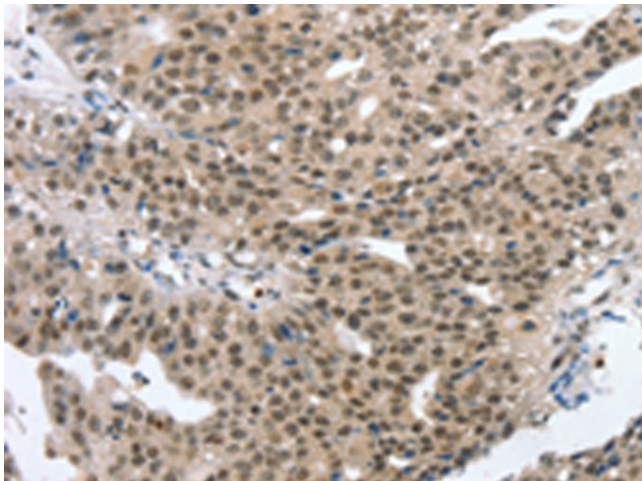
| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Nucleus |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide of human MED12 |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C. |
| Stability: | 1 year |
| Gene Name: | mediator complex subunit 12 |
| Database Link: | Entrez Gene 9968 Human Q93074 |

Background: The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitiation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome.

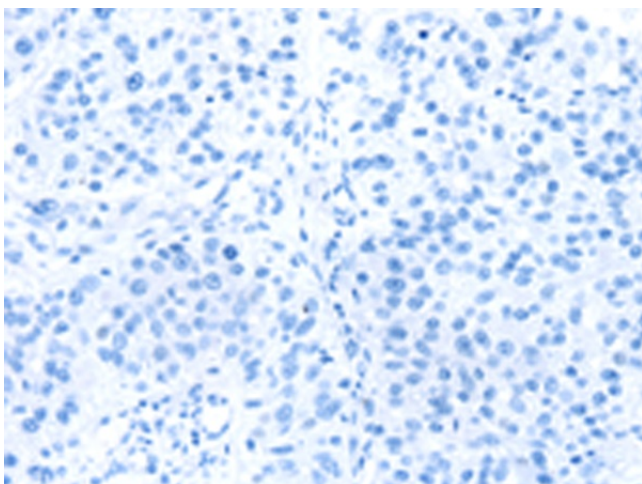
Synonyms: ARC240; CAGH45; FGS1; HOPA; KIAA0192; OKS; OPA1; TNRC11; TRAP230



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Product images:

Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA371577] (MED12 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA371577] (MED12 Antibody) at dilution 1/20, treated with synthetic peptide. (Original magnification: $\times 200$)