Recombinant WHSC1 Monoclonal Antibody

catalog number: **AN301885L**

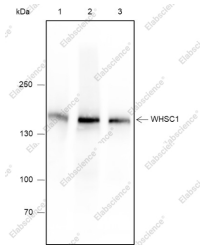
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human WHSC1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331506
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:5000

Data



Western Blot with WHSC1 Monoclonal Antibody at dilution of 1:5000. Lane 1: Jurkat, Lane 2: HUT-78, Lane 3: Raji

Observed-MW:153 kDa

Calculated-MW:153 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

WHSC1, also known as MMSET or NSD2, is a SET domain containing histone lysine methyltransferase that can di- and trimethylate histone H3 at lysine 36 (H3K36). WHSC1 mRNA is highly expressed in embryonic tissues, especially those with high degrees of proliferation, whereas in adult tissues, the mRNA is primarily expressed in thymus and testis. WHSC1 is implicated in cellular adhesion, clonogenic growth and tumorigenicity. Its overexpression has been found in various cancers. It undergoes alternative splicing resulting in different protein isoforms. Recently WHSC1 has been identified as a critical epigenetic regulator for Tfh differentiation.

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