

## NUDT5

**Reactivity:** Human Mouse Rat

**Tested applications:** WB

**Recommended Dilution:** WB 1:1000 - 1:2000

**Calculated MW:** 24kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human NUDT5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

YSA1; YSA1H; YSAH1;

**Catalog #:** A10493

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 11164

**Isotype:** IgG

**Swiss Prot:** Q9UKK9

**Purity:** Affinity purification

For research use only.

**Background:**

This gene belongs to the Nudix (nucleoside diphosphate linked moiety X) hydrolase superfamily. The encoded enzyme catalyzes the hydrolysis of modified nucleoside diphosphates, including ADP-ribose (ADPR) and 8-oxoGua-containing 8-oxo-dADP and 8-oxo-dGDP. Protein-bound ADP ribose can be hazardous to the cell because it can modify some amino acid residues, resulting in the inhibition of ATP-activated potassium channels. 8-oxoGua is an oxidized form of guanine that can potentially alter genetic information by pairing with adenine and cytosine in RNA. Presence of 8-oxoGua in RNA results in formation of abnormal proteins due to translational errors.

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