

MT 3

Cat.No. 333 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 68 from human MT3 (UniProt Id: P25713)
Reactivity	Reacts with: human (P25713), rat (P37361), mouse (P28184). Other species not tested yet.
Specificity	Shows band of expected size in westernblots. The band is blocked by pre-adsorption with the immunogen.

**TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Metallothioneins are cysteine rich proteins of low molecular weight that show ubiquitous expression patterns. Four members MT 1, 2, 3 and 4 have been described, so far. **MT 3**, also known as **Zn7MT3** and **GIF**, is mainly expressed in the brain and exhibits only very low expression levels in other tissues where the other MTs predominate. The precise biological function of MT 3 is unknown but it is regarded as one of the major regulators of cellular zinc in the brain.

Selected General References

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