Synaptic Systems

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Adenosine

Cat.No. 202 103; 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_2O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	**WB**: 1 : 1000 , suitable for Dot-Blot **IP**: yes (see remarks) **ICC**: not tested yet **IHC**: not tested yet **IHC-P/FFPE**: not tested yet **ELISA**: yes
Reactivity	Reacts with: mouse, rat, human, mammals, eukaryotes, prokaryotes. Other species not tested yet.
Specificity	Does not discriminate between Adenosin and N6-methyladenosine
Remarks	**IP**: This antibody is a suitable control for m6A sequencing.

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

m6A (N6-methyladenosine) is a posttranscriptional RNA-modification found throughout all kingdoms, e.g. in vertebrate snRNAs U2, U4, U6, in viral and eukaryotic mRNAs, and in E. coli 16S rRNA. Recent studies have found that mRNA is predominately m6A modified at stop codons and long internal exons, which are conserved between mouse and human. The so-called RNA methylome probably plays an important role in in the regulation of gene expression.
In E. coli Dam methylase introduces m6A modifications on the DNA level at the 5'-GATC-3' motif. This allows the cell to differentiate between the parental and the daughter strand during mismatch repair.

Selected General References

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