POLYCLONAL ANTI-CONJUGATED 6-HYDROXYTRYPTAMINE ANTIBODIES (rabbit)

Data Sheet

*Code number : **AP015***

Description
Polyclonal antisera were raised in rabbits after immunisation with the conjugates : 6-Hydroxytryptamine-Glutaraldehyde-Carriers.

Specificity
Using a conjugate 6-hydroxytryptamine-Glutaraldehyde-Protein, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

Compounds	*Cross-reactivity ratio*[(a)]
6-Hydroxytryptamine-G-BSA	1
5-Hydroxytryptamine-G-BSA	1/9,000
Tryptamine-G-BSA	1/>50,000
5-Methoxytryptamine-G-BSA	1/>50,000

(a) : 6-Hydroxytryptamine-G-BSA concentration/unconjugated or conjugated indolealkylamine concentration at half displacement.
G = Glutaraldehyde, BSA = bovine serum albumin.

Recommended dilution
The antiserum was tested using the free floating PAP technique on rat raphe nuclei. The anti-conjugated 6-hydroxytryptamine antibodies gave a good staining between a 1/2,000-1/5,000 dilution in these areas.

Storage and handling
Antisera were aliquoted (100µl) and stored at -20°C or lower. They are stable at least 2 years. Each aliquot can be defreezed and refreezed up to 5 times. It can be prediluted 10X in PBS containing 0.1% merthiolate or a mixture PBS/glycerol (vol/vol). These solutions were stable at +4°C for 2 months.
Lyophilized antisera are stable at least 1 year. Antisera could be reconstituted with 100µl pure water when the solution is completely used. For a storage at +4°C, use pure water with 0.1% merthiolate. This solution is stable at +4°C for 2 months. For a storage at -20°C, a mixture of water /glycerol (vol./vol.) is preferred.

Corresponding antigen
Gemac sells the corresponding antigen:
6-hydroxytryptamine conjugate (code number: AG015)

Reference
• DABADIE H., GEFFARD M., CHARRIER M.C., LOCURATOLO D., BERRIER C. and JACQUESY J.C. First characterization of 6-hydroxytryptamine in the rat midbrain by using specific antibodies. J. Neurochem., (1992) 4, 1292-1299.

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