

FUJIFILM**Wako**Code No. 016-24261 (50 μ g)**Anti Mouse Tr β 2, Rabbit****抗マウスTr β 2, ウサギ****Background**

Retinal photoreceptors, composed of rods and cones in vertebrates, work as light detectors through phototransduction. Cone photoreceptor cells play an essential role of color vision. Thyroid hormone receptors (TRs) are ligand-dependent transcription factors that mediate biological activities of thyroid hormones. Thyroid hormone receptor beta 2 (Thrb2) is a high affinity receptor for triiodothyronine. Thrb2 belongs to the nuclear hormone receptor family and the NR1 subfamily. Thrb2 is required for the development of green cone photoreceptors of embryonic retina. Previous studies reported that Thrb2-deficient mice exhibit a form of color blindness with a selective loss of medium-long wave responses but retention of short wave responses.

Immunostaining of this product strongly stains developing cone precursors and weakly stains cone photoreceptors. To obtain a clear immunostaining signal, antigen-retrieval by boiling is required.

This product is for laboratory use only ; use in any such application is the responsibility of the user.

Description

[Antigen]	Recombinant Mouse Tr β 2 N-terminal fragment (1-107)
[Formulation]	Antiserum in PBS containing 0.05% sodium azide
[Reactivity]	Reacts with mouse Tr β 2
[Species cross reactivity]	Not tested

Applications

Western blot	1 : 1,000
Immunostaining	1 : 1,000

Storage

Store at -20°C .
Avoid repeated freeze and thaw.

Package50 μ g

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ReferenceSanuki, R., *et al.* : *Nature Neurosci.*, **14**, 1125 (2011).**FUJIFILM Wako Pure Chemical Corporation**

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