

Product datasheet PS310

MONOSAN[®]

Rabbit anti-Human Claudin 1

Clone no. -

MONOSAN

Product name	Rabbit anti-Human Claudin 1
Host	Rabbit
Applications	IHC-P (1:25-1:100)
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	-
Clonality	Polyclonal
Clone number	-
Size	1 ml
Concentration	n/a
Format	-
Storage buffer	Tris Buffer, pH 7.3-7.7, containing 1% BSA and <0.1% Sodium Azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

The claudins are a family of over twenty proteins which are components of tight junction. Tight junctions are specialized regions of cell to cell contact; made up of network of strands to act as a molecular gasket for preventing the leakage of ions, water etc. between cells. They are abundant in luminal epithelial sheets where they maintain epithelial cell polarity. The claudins constitute a variable component, with specific claudins being associated with specific tissues. The immunoreactivity for anti-claudin 1 is membranous and is found in nearly all carcinomas. The staining is much stronger in the carcinoma cells than in normal tissues. Anti-claudin 1 in a panel of immunostains with EMA (positive), S-100 (negative), and GLUT1 can be utilized as a robust marker in diagnosis of perineurioma and neurofibroma. Recently studies showed anti-claudin seems to be a specific marker for meningiomas. Therefore, anti-claudin with anti-EMA, anti-S-100 protein, anti-CD34, and anti-glial fibrillary acidic protein may be helpful in the diagnosis of meningiomas from histologic mimics

References

1. Folpe AL, et al. Am J Surg Pathol. 2002; 26:1620-6
2. Soini Y. Histopathology. 2005; 47:551-60
3. -
4. -
5. -

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