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44-1189: Anti-Thymidylate Synthase Monoclonal Antibody (Clone:IHC697)

Clonality :	Monoclonal
Clone Name :	IHC697
Application :	IHC
Reactivity :	Human
Gene :	TYMS
Gene ID :	7298
Uniprot ID :	P04818
Format :	Purified
Alternative Name :	TYMS, TS, OK/SW-cl.29, TSase

Description

Thymidylate Synthase (TS) is a crucial enzyme responsible for the synthesis of 2'-deoxythymidine-5'-monophosphate (dTMP) a precursor for thymidylate which is necessary for DNA replication and repair from 2'-deoxyuridine-5'-monophosphate (dUMP). In terms of cancer, TS is an important target for cancer treatment as the inhibition of TS and therefore nucleotide synthesis necessary for cell growth has shown to be a vital part for successful treatment against colorectal, pancreatic and breast cancers.

Product Info

Amount :	0.1 ml / 1 ml
Purification :	Protein A/G Chromatography
Storage condition :	Store at 2°C - 8°C.

Application Note

Recommended dilutions: Immunohistochemical analysis: 1:100 - 1:200. However, this need to be optimized based on the research applications.

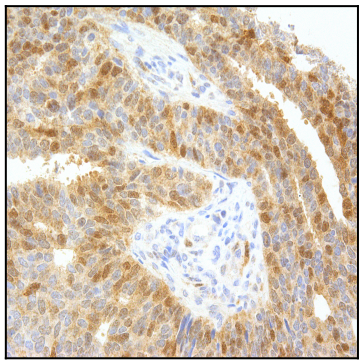

Figure 1: Immunohistochemical analysis of Thymidylate Synthase (IHC697) on Cervical Cancer

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