

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 60110-1-Ig	<b>GenBank-Zugangsnummer:</b> BC007781	<b>Reinigungsmethode:</b> Caprylsäure/Ammoniumsulfat-Präzipitation
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 51147	<b>CloneNo.:</b> 1F5G10
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> inhibitor of growth family, member 4	
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 29 kDa	
<b>Immunogen Katalognummer:</b> AG4610	<b>Beobachtete Masse:</b> 29 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
ELISA

**Getestete Reaktivität:**  
Human

## Hintergrundinformationen

ING4, also named as p29ING4, belongs to the ING family. It is a component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. It may inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. ING4 can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA. It may also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC. Represses hypoxia inducible factor's (HIF) activity by interacting with HIF prolyl hydroxylase 2 (EGLN1). ING4 is a tumor suppressor gene that interacts with NFkB and represses its transcriptional activity. Several lines of evidence suggest that the tumor suppressor gene ING4, NFkB and its target genes matrix metalloproteases MMP-2, MMP-9 and u-PA are critically involved in tumor invasion. This antibody is a mouse monoclonal antibody raised against full length human ING4 antigen.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

**Lagerungspuffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

