

BRG-1 BY IHC
12376/12379

QUICK REFERENCE

The Allina Health Laboratory Immunohistochemistry department is now offering the BRG-1 stain.

DETAILS

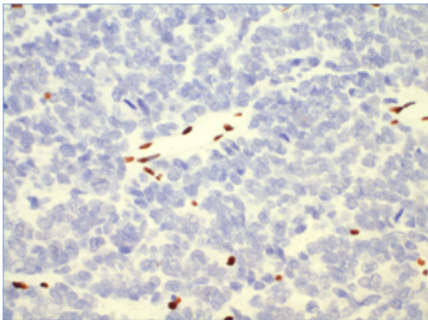
Test name:	BRG-1 by IHC
Test number:	12376 - Technical only, 12379 - Technical & interpretation
Excellian order number:	LAB12376 LAB12379
Performing lab:	AHL - Immunohistochemistry
Days set up:	Mo - Fr
TAT:	1 - 2 days
Method:	Immunohistochemical staining and microscopic examination

Specifications

SMARCA4 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 4) encodes BRG1, a protein of the WSI/SNF complex involved in chromatic remodeling. SMARCA4-deficient neoplasms have undifferentiated, often rhabdoid morphology and demonstrate loss of BRG1 immunohistochemical nuclear expression.

Staining pattern

Nuclear staining in normal tissues. Loss of nuclear staining is present in SMARCA4/BRG1 deficient tumors.



Small cell carcinoma of the ovary hypercalcemic type with loss of nuclear staining; lymphocytes and endothelial cells serve as positive internal controls

Applications

- Loss of SMARCA4/BRG1 characterizes small cell carcinoma of the ovary hypercalcemic type, SMARCA4 deficient undifferentiated uterine sarcoma, and SMARCA4 deficient thoracic carcinomas/sarcomas and demonstrate rhabdoid or poorly differentiated morphology.
- BRG1 loss has been described in a subset of melanomas, epithelioid mesotheliomas, lung adenocarcinomas, and lung squamous cell carcinomas.

QUESTIONS: Contact your Allina Health Laboratory account representative, or our Client Services department