

eth_getUncleByBlockNumberAndIndex

Returns information about a uncle of a block given the block number and the uncle index position.

Parameters

- block parameter
- : [Required
-] A hexadecimal block number, or one of the string tagslatest
- ,earliest
- ,pending
- ,safe
- , orfinalized
- . See the[default block parameter](#)
- .
- uncle index position
- : [Required
-] A hexadecimal equivalent of the integer indicating the uncle's index position.

Returns

A block object, or null when no block was found. The block object returned will consist of the following keys and their values:

- number
 - : The block number.Null
 - when the returned block is the pending block.
- hash
 - : 32 bytes. Hash of the block.Null
 - when its pending block.
- parentHash
 - : 32 bytes. Hash of the parent block.
- nonce
 - : 8 bytes. Hash of the generated proof-of-work.Null
 - when the returned block is the pending block.
- sha3Uncles
 - : 32 bytes. The SHA3 of the uncles data in the block.
- logsBloom
 - : 256 bytes. The Bloom filter for the logs of the block.Null
 - when the returned block is the pending block.
- transactionsRoot
 - : 32 bytes. The root of the transaction trie of the block.
- stateRoot
 - : 32 bytes. The root of the final state trie of the block.
- receiptsRoot
 - : 32 bytes. The root of the receipts trie of the block.
- miner
 - : 20 bytes. The address of the beneficiary to whom the mining rewards were given.
- difficulty
 - : The hexadecimal of the difficulty for this block.
- totalDifficulty
 - : The hexadecimal of the total difficulty of the chain until this block.
- extraData
 - : The "extra data" field of this block.
- size
 - : The hexadecimal of the size of this block in bytes.
- gasLimit
 - : Maximum gas allowed in this block.
- gasUsed
 - : Total used gas by all transactions in this block.
- timestamp
 - : The unix timestamp for when the block was collated.
- uncles
 - : (Array). An array of uncle hashes.

note An uncle doesn't contain individual transactions.

Example

Replace YOUR-API-KEY with an API key from your [Infura dashboard](#).

Request

- cURL

```
curl https://mantle-mainnet.infura.io/v3/YOUR-API-KEY \-X POST \-H "Content-Type: application/json" \-d '{"jsonrpc":"2.0","method":"eth_getUncleByBlockNumberAndIndex","params":["0x29c","0x0"],"id":1}'
```

Response

- JSON

```
{ "jsonrpc": "2.0", "id": 1, "result": { "difficulty": "0x571f175c", "extraData": "0x476574682f76312e302e302f776996e46f7732f6f6312e342e32", "gasLimit": "0x1388", "gasUsed": "0x0", "hash":  
"0x932bd904546d2287ae2c9b2ede37925f698af657484b172dafe5184f8bdd464d", "logsBloom":  
"0x00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000"  
,"miner": "0x5bf5e9cf9ba456d6591073513de7fd69a9be0f4bc", "mixHash": "0x4500aa4ee2b3044a155252e3527370dd0eb2ab6f8cb19ca8e732771484462169", "nonce": "0x24732773618192ac",  
,"number": "0x299", "parentHash": "0xa2f79859b1ee558258b7008bbabff27280136c5ed3db3eca3fa8f6ae03bf91e5", "receiptsRoot":  
"0x56e81f171bcc55a6f834ae692cc08f6e548e01b996cac001622fb5e363b421", "sha3Uncles": "0x1dcc4de8dec75d4aab85b567b6ccd41ad312451b948a7413f0a142fd4049347", "size": "0x21d",  
,"stateRoot": "0x2604fab15183f360da249651b1b9f1ef03c15d2f3ffa1a4143f3221ad9ca1fec", "timestamp": "0x55ba4827", "totalDifficulty": null, "transactionsRoot":  
"0x56e81f171bcc55a6f834ae692cc08f6e548e01b996cac001622fb5e363b421". "uncles": [] }
```

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